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YEAST IN THE TREATMENT OF PELLAGRA AND BLACK TONGUE

A Note on Dosage and Mode of Administration

By JOSEPH GOLDSBERGER, G. A. WHEELER, W. F. TANNER, Surgeons, United States Public Health Service

In a recent communication¹ there were reported the results of a study of the action of dried brewers' yeast as a therapeutic and preventive agent in pellagra. Evidence was submitted that was interpreted as indicating conclusively that this yeast supplied an essential or the essential preventive factor or factors. Although both therapeutic and preventive tests were made, emphasis was placed on the preventive action, since the preventive test was considered much more significant of the value of the preparation.

As was stated in that communication, 26 patients in all were taken under treatment between May 26, 1923, and May 10, 1924. A number of additional cases have been treated since that time. The majority have been mild recurrent attacks. With one exception, all made prompt recoveries from the immediate attack. The exception was a case in a recently admitted patient with symptoms of central neuritis who died within 72 hours after coming under observation and beginning treatment.

Since the publication of the above-mentioned report, inquiries have been received relative to certain details of the treatment with yeast which, so far as possible, we shall attempt to answer at this time.

Our work with yeast has been done almost altogether with a commercial preparation of *dried* brewers' yeast.² It is not improbable that pure *dried* bakers' yeast³ will prove to be approximately equally efficient.

At the outset of the study the therapeutic dose was arbitrarily fixed at 1 gram per kilo of body weight for patients with marked active symptoms. As our experience has grown, we have come increasingly to believe that a considerably smaller dose will suffice, particularly when combined (and so far as possible it should be) with the now well-known dietary treatment. In the cases more recently treated the daily dose has been between 15 and 30 grams

¹ Goldberger and Tanner: Pub. Health Rep., 1925, 40, 54-80.

² The Harris Laboratories, Tuckahoe, N. Y.

³ Northwestern Yeast Co., Chicago, Ill.; The Fleischman Co., New York, N. Y.

(one-half to 1 ounce) or, roughly, 2 level teaspoonfuls three to six times a day.

We were led to test the action of yeast in pellagra by reason of some very favorable indications afforded by tests of this preparation in experimental black tongue in dogs.⁴ We would now state that in the treatment of this experimentally induced disease a dose of 15 to 30 grams (one-half to 1 ounce), depending on the weight of the animal, has been found very efficient in cutting short an attack. However, the treatment must be begun relatively early; if delayed until after the dog's temperature has risen to 40° C. (104° F.), the outlook is much less favorable. We would recommend this treatment to veterinarians for trial in the spontaneous disease.

The dry powdered yeast (well dried) keeps well and retains much if not all of its pellagra-preventive and therapeutic activity for some weeks at least. It may be administered in a variety of ways. In pellagra we have, for the most part, given it in ordinary table sirup; less frequently in canned tomato juice, and in milk. In black tongue we have given the yeast in gelatin capsules (veterinary No. 13). It may be stirred into the food as soon as the animal begins to eat.

The beneficial effects of the yeast treatment have repeatedly been recognized by us as early as the end of the second or third day after the treatment was begun in both the human and the canine disease.

In closing this note it may be well to emphasize that in all but the severe cases of pellagra careful feeding is all that is needed. In our judgment, it is only in cases of more than average severity, or where such foods as fresh milk and fresh meat can not be procured, that yeast may serve a valuable purpose and may help to save life.

LEPROSY IN THE PHILIPPINES

When the United States occupied the Philippine Archipelago a quarter of a century ago, the military and, later, the civil authorities, were confronted by health problems of unknown acuteness and magnitude.

It soon became evident that leprosy was prevalent throughout the islands; an accurate morbidity census was not available, perhaps not obtainable. Although estimates of the number of cases of leprosy varied within the wide range of a few hundred to several thousand, the problem of checking the spread of the disease, with the ideal of ultimate eradication, was optimistically undertaken.

Culion Island, with a group of other small islands, was set aside by executive order for the establishment of a leper colony, and on May 27, 1906, the first lepers were isolated in the Culion settlement.

⁴Goldberger and Wheeler: Unpublished data.

Nineteen years have passed since segregation was begun in Culion, and in that time nearly 1,000 lepers, on the average, have been taken to Culion annually. Approximately 5,000 lepers remain alive in Culion; a few hundred have been discharged in recent years on parole. A simple arithmetical calculation reveals the mortality among known cases, but can not take into consideration the deaths of lepers hidden or undiagnosed in the remainder of the archipelago.

At first glance one is impelled to question the ultimate utility of segregation if, each year, for a generation, a thousand lepers may be found for isolation. The answer, not at first obvious, is, nevertheless, outstanding in that for the last decade a gradual change has been noted in the character of the patients isolated. Formerly the great majority of lepers segregated were of the advanced type, maimed and a burden to family and community; whereas in recent years an ever increasing number of early cases may be seen among the new arrivals—incontestable evidence that segregation is becoming effective and that a few more years of vigorous enforcement will stem the tide.

Those concerned in the original organization of the Culion Colony wisely determined upon the establishment of a settlement not too far removed in nature from the surroundings to which the majority of the patients were accustomed, and selected a promontory in the Bay of Culion, where there has since been built a typical Filipino town. Improvements have been added from time to time, so that it now has an excellent supply of mountain spring and artesian water, a sewerage system, an incinerator, electric light and ice plants, schools, churches, and a theater.

The housing of such a large number of indigents has been accomplished by providing large dormitories in which groups of children and young unmarried adults are cared for, and permitting families or groups of adults to build houses of their own design from materials furnished by the government.

Incapacitated lepers suffering from acute or chronic manifestations of the disease or from intercurrent affections are cared for in modern, reinforced concrete infirmaries, nursed by fellow patients who have been trained as orderlies under the supervision of Sisters of Charity.

That the Culion Leper Colony might well serve as a model of sanitation is evident in the gradual lowering of the death rate, which has steadily diminished from nearly 500 per thousand per annum in 1908 to a point where it compares favorably with that in the average Filipino city or town.

The original function of the Culion Leper Colony was the segregation of lepers for the protection of the public health; but since, in recent years, the results of improved methods of treatment seem to warrant

the opinion that many cases of leprosy are curable, a new hope has arisen among the lepers of Culion, as elsewhere in the world, and the colony is assuming the air of a sanatorium where the patient hopes to recover and return to friends and family, rather than that of a settlement of individuals who have willingly or otherwise permanently severed all social ties.

Reports are being received from the Culion Colony describing therapeutic experiments carried out on a sufficiently large scale to warrant the drawing of important conclusions after sufficient time has elapsed. From the wealth of clinical material, more than 2,000 lepers have been selected for treatment with the ethyl esters of chaulmoogra oil alone—an experiment which, in itself, should throw considerable light on the confusion now existing from conflicting reports as to the efficacy of this modern refinement of chaulmoogra oil.

Consistent rumors are received from the press indicating the desire of certain Filipinos to discontinue the segregation of lepers in the Culion Leper Colony and to build numerous smaller hospitals throughout the islands, a project which should be discouraged from both an economic and sanitary standpoint, since it would be susceptible to abuses which would tend to defeat the object of segregation, the benefits of which are already in sight.

EXTENT OF RURAL HEALTH SERVICE IN THE UNITED STATES, 1921-1925

By L. L. LUMSDEN, Surgeon, United States Public Health Service

According to data obtained by the Rural Sanitation Office of the Public Health Service from the health departments of the States, the following (Table 1) is a list, by States, of counties (or districts) in which the rural sections at the beginning of the calendar years 1921, 1922, 1923, 1924, and 1925, respectively, were provided with local health service under the administration of whole-time county or (local) district health officers:

TABLE 1.—List of counties, or districts, in which, as of January 1, 1921, 1922, 1923, 1924, and 1925, respectively, rural sections were provided with local health service under whole-time health officers

1921	1922	1923	1924	1925
ALABAMA				
Baldwin	Baldwin	Baldwin	Baldwin	Baldwin
Calhoun	Barbour	Barbour	Barbour	Barbour
Colbert	Calhoun	Calhoun	Calhoun	Calhoun
Etowah	Colbert	Colbert	Colbert	Colbert
Hale	Dallas	Covington	Covington	Dallas
Jefferson	Etowah	Dallas	Dallas	Escambia
Lauderdale	Houston	Etowah	Etowah	Etowah
Madison	Jefferson	Houston	Houston	Franklin
Mobile	Lauderdale	Jefferson	Franklin	Houston
Montgomery	Madison	Lauderdale	Houston	Jefferson
Morgan	Mobile	Madison	Jefferson	Lauderdale
Pike	Montgomery	Mobile	Lauderdale	Limestone
Sumter	Morgan	Montgomery	Limestone	Madison
Talladega	Pike	Morgan	Madison	Marengo
Tuscaloosa	Sumter	Pike	Mobile	Marshall
Walker	Talladega	Sumter	Montgomery	Mobile
	Tuscaloosa	Talladega	Morgan	Montgomery
	Walker	Walker	Pike	Morgan
			Sumter	Pike
			Talladega	Sumter
			Tuscaloosa	Talladega
			Walker	Tuscaloosa
				Walker
ARIZONA				
				Cochise
CALIFORNIA				
	Los Angeles San Francisco ¹	Los Angeles Monterey Orange San Francisco ¹ San Luis Obispo	Los Angeles Monterey Orange San Joaquin San Luis Obispo	Los Angeles Monterey Orange San Diego San Joaquin San Luis Obispo
CONNECTICUT				
				Fairfield ¹
GEORGIA				
Baldwin	Baldwin	Baldwin	Baldwin	Baldwin
Bartow	Bartow	Bartow	Bartow	Bartow
Brooks	Brooks	Clarke	Bibb	Bibb
Clarke	Clarke	Cobb	Clarke	Clarke
Cobb	Cobb	Decatur	Cobb	Cobb
Decatur	Decatur	Dougherty	Decatur	Decatur
Dougherty	Dougherty	Floyd	Dekalb	Dekalb
Floyd	Floyd	Fulton	Dougherty	Dougherty
Glynn	Glynn	Glynn	Floyd	Floyd
Hall	Hall	Hall	Glynn	Glynn
Laurens	Laurens	Laurens	Hall	Hall
Lowndes	Lowndes	Lowndes	Laurens	Laurens
Sumter	Mitchell	Mitchell	Lowndes	Lowndes
Thomas	Sumter	Richmond	Mitchell	Mitchell
Troup	Thomas	Sumter	Richmond	Richmond
Walker	Troup	Thomas	Sumter	Seminole
Worth	Walker	Troup	Thomas	Sumter
		Walker	Troup	Thomas
			Walker	Troup
				Walker

¹ As San Francisco County is entirely urban, it should not have been included in either 1922 or 1923, and is omitted from the 1924 and 1925 lists.

¹ District.

TABLE 1.—List of counties, or districts, in which, as of January 1, 1921, 1922,
1923, 1924, and 1925, respectively, rural sections were provided with local health
service under whole-time health officers—Continued

1921	1922	1923	1924	1925
IDAHO				
	Bannock Twin Falls Boise			
ILLINOIS				
		Morgan	Morgan	Cook Crawford Morgan Sangamon
INDIANA				
		Fulton		
IOWA				
	Dubuque	Dubuque	Dubuque Washington	Dubuque Washington
KANSAS				
Butler Cherokee Ford Geary Marion	Butler Cherokee Ellis Ford Geary Marion Marion Ottawa Wabaunsee	Butler Cherokee Ellis Ford Geary Marion Marion Ottawa Wabaunsee	Butler Cherokee Ellis Geary Lyon Lyon Marion Ottawa Sheridan	Cherokee Geary Lyon Marion Ottawa Sheridan
KENTUCKY				
Boyd Daviess Fulton Harlan Jefferson Mason Muhlenberg Scott	Bell Boyd Daviess Fulton Harlan Jefferson Mason Muhlenberg Scott	Boyd Daviess Fulton Harlan Jefferson Johnson Mason Scott	Bell Boyd Daviess Fayette Fulton Jefferson Johnson Mason Scott	Boyd Daviess Fayette Fulton Jefferson Johnson Mason Scott
LOUISIANA ¹				
Rapides	Beauregard Caddo De Soto Natchitoches Ouachita Rapides Washington	Beauregard Caddo De Soto Natchitoches Ouachita Rapides Washington	Beauregard Caddo Clairborne De Soto Natchitoches Ouachita Rapides St. Mary Tangipahoa Washington	Beauregard Caddo Clairborne De Soto Natchitoches Ouachita St. Mary Tangipahoa Washington

¹ Parishes.

TABLE 1.—List of counties, or districts, in which, as of January 1, 1921, 1922, 1923, 1924, and 1925, respectively, rural sections were provided with local health service under whole-time health officers—Continued

1921	1922	1923	1924	1925
MAINE ²				
		Oldtown Rumford Sanford Waterville York	Oldtown Rumford Sanford Waterville York	Oldtown Rumford Sanford Waterville York
MARYLAND				
	Washington	Allegany Montgomery	Allegany Frederick Montgomery	Allegany Baltimore Calvert Carroll Frederick Montgomery
MASSACHUSETTS				
	Cape Cod ²	Cape Cod ²	Cape Cod ²	Cape Cod ²
MINNESOTA				
			St. Louis	St. Louis
MISSISSIPPI				
Bolivar Harrison Jones Lee	Bolivar Coahoma Forrest Harrison Jones Lee Marshall Union Washington	Bolivar Coahoma Forrest Harrison Hinds Jones Lauderdale Lee Leflore Marshall Tallahatchie Washington	Bolivar Coahoma Forrest Harrison Hinds Jones Lauderdale Lee Tallahatchie Washington	Bolivar Coahoma Forrest Hancock Harrison Jackson Jones Lee Pearl River Sharkey Washington
MISSOURI				
Greene	Greene Jasper	Cape Girardeau Dunklin Gentry Greene Jasper Monroe New Madrid Nodaway Pettis Poik St. Francois	Dunklin Gentry Greene New Madrid Nodaway Pettis Poik St. Francois St. Louis	Dunklin Gentry Greene New Madrid Nodaway Pettis Poik St. Francois St. Louis
MONTANA				
Cascade Missoula Yellowstone	Cascade Lewis and Clark Missoula Yellowstone	Cascade Lewis and Clark Missoula Yellowstone	Cascade Lewis and Clark Missoula	Cascade Lewis and Clark Missoula

² Districts.

TABLE 1.—*List of counties, or districts, in which, as of January 1, 1921, 1922, 1923, 1924, and 1925, respectively, rural sections were provided with local health service under whole-time health officers—Continued*

1921	1922	1923	1924	1925
NEW MEXICO				
Bernalillo Chaves San Miguel Santa Fe Union	Bernalillo Chaves San Miguel Santa Fe Torrance Union Valencia	Bernalillo Chaves Dona Ana Eddy San Miguel Santa Fe Union Valencia	Bernalillo Chaves Colfax Dona Ana Eddy McKinley San Miguel Santa Fe Union Valencia	Bernalillo Chaves Colfax Dona Ana Eddy McKinley San Miguel Santa Fe Union Valencia
NEW YORK				
			Cattaraugus	Cattaraugus
NORTH CAROLINA				
Beaufort Buncombe Bertie Cabarrus Chatham Cumberland Davidson Durham Edgecombe Forsyth Granville Halifax Lenoir New Hanover Northampton Pitt Robeson Rowan Sampson Surry Vance Wake Wayne Wilkes Wilson	Bertie Bladen Buncombe Cabarrus Columbus Craven Cumberland Durham Edgecombe Forsyth Granville Guilford Halifax Lenoir Mecklenburg New Hanover Northampton Pitt Robeson Rowan Sampson Surry Vance Wake Wayne Wilkes Wilson	Bertie Bladen Buncombe Cabarrus Carteret Columbus Craven Cumberland Davidson Durham Edgecombe Forsyth Granville Guilford Halifax Lenoir Mecklenburg New Hanover Northampton Pitt Robeson Rowan Sampson Surry Vance Wake Wayne Wilkes Wilson	Beaufort Bertie Bladen Brunswick Buncombe Cabarrus Columbus Craven Cumberland Davidson Durham Edgecombe Forsyth Granville Guilford Halifax Henderson Hyde Lenoir Mecklenburg New Hanover Northampton Pamlico Pitt Robeson Rowan Sampson Surry Vance Wayne Wilkes Wilson	Beaufort Bertie Bladen Brunswick Buncombe Cabarrus Columbus Craven Cumberland Davidson Durham Edgecombe Forsyth Granville Guilford Halifax Henderson Hyde Lenoir Mecklenburg New Hanover Northampton Pamlico Pitt Robeson Rowan Sampson Surry Vance Wayne Wilkes Wilson

TABLE 1.—List of counties, or districts, in which, as of January 1, 1921, 1922, 1923, 1924, and 1925, respectively, rural sections were provided with local health service under whole-time health officers—Continued

1921	1922	1923	1924	1925
OHIO				
Allen	Allen	Allen	Allen	Allen
Ashtabula	Ashtabula	Ashtabula	Ashtabula	Ashtabula
Belmont	Belmont	Auglaize	Athens	Athens
Butler	Butler	Belmont	Auglaize	Belmont
Champaign	Champaign	Butler	Belmont	Butler
Clermont	Clermont	Champaign	Clermont	Clermont
Crawford	Clinton	Clermont	Clinton	Clinton
Cuyahoga	Columbiana	Clinton	Clinton	Columbiana
Delaware	Coshocton	Columbiana	Columbiana	Coshocton
Fairfield	Crawford	Coshocton	Coshocton	Crawford
Hamilton	Cuyahoga	Crawford	Cuyahoga	Cuyahoga
Henry	Erie	Cuyahoga	Erie	Delaware
Highland	Greene	Erie	Erie	Erie
Hocking	Hamilton	Geauga	Fayette	Fayette
Lake	Highland	Hamilton	Franklin	Franklin
Lorain	Hocking	Hocking	Hancock	Geauga
Lucas	Lake	Huron	Hancock	Hamilton
Mahoning	Lorain	Lake	Huron	Hancock
Marion	Lucas	Lorain	Lake	Huron
Medina	Madison	Madison	Lorain	Lake
Meigs	Mahoning	Mahoning	Lucas	Lorain
Miami	Marion	Marion	Mahoning	Lucas
Monroe	Miami	Miami	Marion	Meigs
Montgomery	Monroe	Monroe	Meigs	Mahoning
Muskingum	Montgomery	Montgomery	Mercer	Marion
Noble	Morrow	Morrow	Miami	Meigs
Paulding	Muskingum	Muskingum	Montgomery	Mercer
Sandusky	Paulding	Paulding	Morrow	Miami
Scioto	Ross	Perry	Muskingum	Montgomery
Seneca	Sandusky	Ross	Paulding	Morrow
Shelby	Scioto	Sandusky	Perry	Muskingum
Stark	Seneca	Scioto	Richland	Paulding
Summit	Shelby	Seneca	Ross	Richland
Trumbull	Stark	Shelby	Sandusky	Ross
Union	Summit	Stark	Scioto	Sandusky
Washington	Trumbull	Summit	Seneca	Scioto
	Union	Trumbull	Shelby	Seneca
	Washington	Washington	Stark	Shelby
	Wayne	Wayne	Summit	Stark
	Wood	Wood	Trumbull	Summit
			Tuscarawas	Trumbull
			Union	Tuscarawas
			Washington	Union
			Wayne	Washington
			Wood	Wayne
				Wood
OKLAHOMA				
Ottawa	Ottawa	Ottawa	Ottawa	Carter
				Leflore
				Muskogee
				Oklahoma
				Pittsburg
OREGON				
		Coos	Coos	Clackamas
				Coos
				Douglas
				Jackson
				Klamath

TABLE 1.—*List of counties, or districts, in which, as of January 1, 1921, 1922, 1923, 1924, and 1925, respectively, rural sections were provided with local health service under whole-time health officers—Continued*

1921	1922	1923	1924	1925
SOUTH CAROLINA				
Calhoun Charleston Cherokee Darlington Fairfield Lee Newberry Orangeburg	Charleston Cherokee Darlington Fairfield Greenville Newberry Orangeburg	Charleston Cherokee Darlington Fairfield Greenville Newberry Orangeburg	Aiken Anderson Charleston Cherokee Dillon Fairfield Greenville Newberry Orangeburg	Aiken Anderson Beaufort Charleston Cherokee Colleton Darlington Dillon Fairfield Georgetown Greenville Marion Newberry Orangeburg
SOUTH DAKOTA				
	Brown	Brown	Brown	Brown Pennington Yankton
TENNESSEE				
	Davidson Montgomery Roane Williamson	Davidson Gibson Montgomery Roane Williamson	Blount Davidson Gibson Montgomery Obion Roane Sevier Williamson	Blount Davidson Gibson Montgomery Obion Roane Rutherford Sevier Williamson
TEXAS				
Bell Dallas Jefferson Tarrant Wichita Williamson	Dallam Dallas Hidalgo Jefferson Tarrant	Cherokee Dallam Dallas Hidalgo Jefferson Tarrant	Dallam Hidalgo Jefferson Red River Tarrant Washington	Falls Hidalgo Nueces Tarrant
UTAH				
	Weber	Weber	Weber	Davis Weber
VERMONT ²				
First Second Third Fourth Fifth Sixth Seventh Eighth Ninth Tenth	First Second Third Fourth Fifth Sixth Seventh Eighth Ninth Tenth	First Second Third Fourth Fifth Sixth Seventh Eighth Ninth Tenth		

² Districts.

TABLE 1.—*List of counties, or districts, in which, as of January 1, 1921, 1922, 1923, 1924, and 1925, respectively, rural sections were provided with local health service under whole-time health officers—Continued*

1921	1922	1923	1924	1925
VIRGINIA				
Albemarle	Albemarle	Albemarle	Accomac	Accomac
Arlington	Arlington	Arlington	Albemarle	Albemarle
Augusta	Augusta	Augusta	Arlington	Arlington
Clarke	Fairfax	Fairfax	Augusta	Augusta
Fairfax	Fauquier	Halifax	Fairfax	Brunswick
Fauquier	Halifax	Nansemond	Halifax	Fairfax
Halifax	Norfolk	Norfolk	Henrico	Halifax
Henry	Tazewell	Russell	James City	Henrico
Norfolk	Wise	Wise	Loudoun	Isle of Wight
Tazewell			Nansemond	James City
			Norfolk	Nansemond
			Princess Anne	Northampton
			Russell	Wise.
			Wise	
WASHINGTON				
King	King	Chelan	Chelan	Chelan
Spokane	Spokane	King	King	King
Walla Walla	Walla Walla	Spokane	Spokane	Spokane
Yakima	Yakima	Yakima	Walla Walla	Walla Walla
			Yakima	Yakima
WEST VIRGINIA				
Greenbrier	Greenbrier	Logan	Hancock	Gilmer
	Logan	Marion	Harrison	Hancock
	Mingo	Mingo	Logan	Harrison
		Preston	Marion	Logan
			Preston	Marion
			Taylor	Marshall
				Preston
				Taylor
WYOMING				
			Natrona	Natrona

Résumé of Table 1

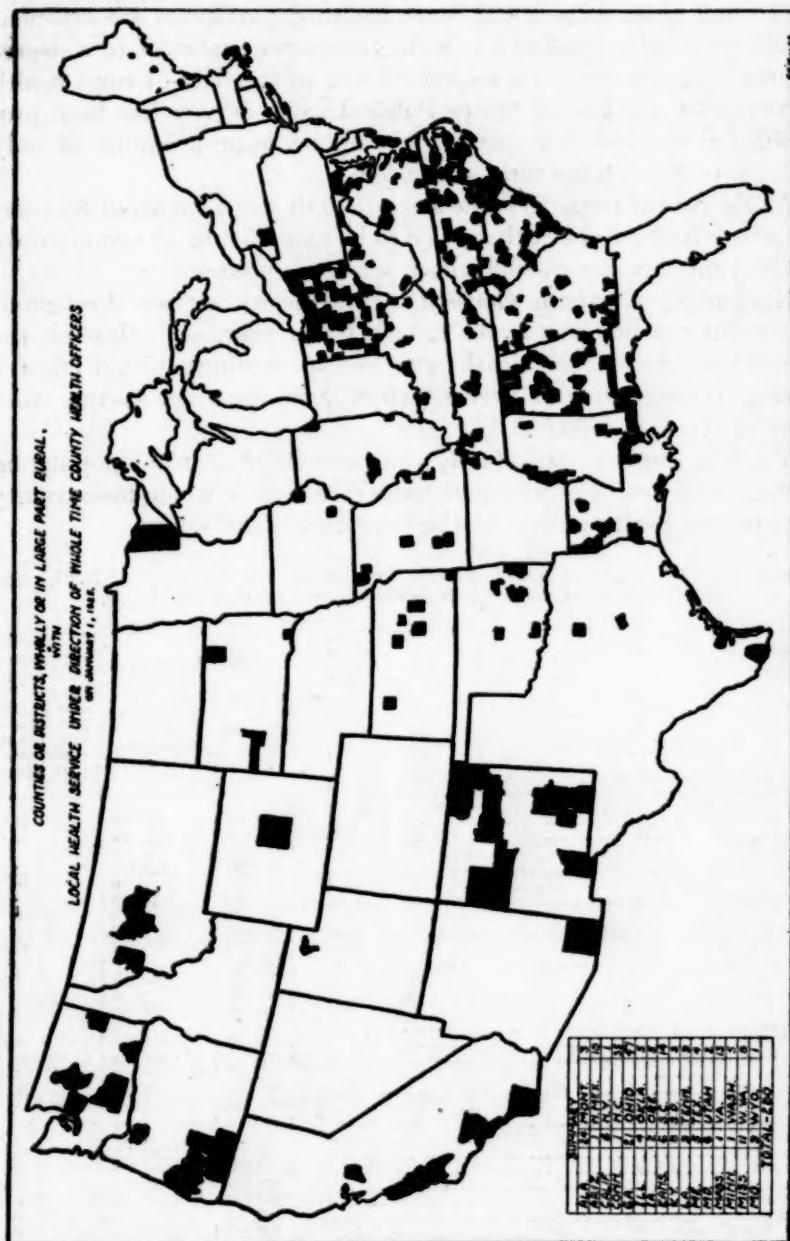
State	Number of counties, January 1—					Increase or decrease in 1921	Increase or decrease in 1922	Increase or decrease in 1923	Increase or decrease in 1924
	1921	1922	1923	1924	1925				
Alabama	18	18	19	22	24	+2	+1	+3	+2
Arizona	0	0	0	0	1				+1
California	0	1	4	5	6	+1	+3	+1	+1
Connecticut	0	0	0	0	1				+1
Georgia	17	18	18	19	21	+1		+1	+2
Idaho	0	3	0	0	0	+3	-3		
Illinois	0	0	1	1	4		+1		+3
Indiana	0	0	1	0	0		+1	-1	
Iowa	0	1	1	2	2	+1		+1	
Kansas	5	8	8	8	6	+3			-2
Kentucky	8	8	8	9	8			+1	-1
Louisiana	1	7	7	10	9	+6		+3	-1
Maine	0	0	5	5	5		+5		
Maryland	0	1	2	3	6	+1	+1	+1	+3
Massachusetts	0	1	1	1	1	+1			
Minnesota	0	0	0	1	1			+1	
Mississippi	4	9	12	10	11	+5	+3	-2	+1
Missouri	1	2	11	9	9	+1	+9	-2	
Montana	3	4	4	3	3	+1		-1	
New Mexico	5	7	8	10	10	+2	+1	+2	
New York	0	0	0	1	1			+1	
North Carolina	25	29	29	33	35	+4		+4	+2
Ohio	36	40	42	45	47	+4	+2	+3	+2
Oklahoma	1	1	1	1	5				-4
Oregon	0	0	1	1	5		+1		+4
South Carolina	8	7	7	9	14	-1		+2	+5
South Dakota	0	1	1	1	3	+1			+2
Tennessee	0	4	5	8	9	+4	+1	+3	+1
Texas	6	5	6	6	4	-1	+1		-2
Utah	0	1	1	1	2	+1			+1
Vermont	10	10	10	0	0			-10	
Virginia	10	9	9	14	13	-1		+5	-1
Washington	4	4	4	5	5			+1	
West Virginia	1	3	4	6	8	+2	+1	+2	+2
Wyoming	0	0	0	1	1			+1	
Total	161	202	230	250	280	+41	+28	+20	+30

The accompanying map shows the counties or districts in the United States in which, as of January 1, 1925, the rural sections were provided with local health service under whole-time, local (county or district) health officers.

The net gain of 30 counties in 1924 is cause for encouragement to all persons interested in this much-needed economical and effective development for the conservation and promotion of the health of the people of the United States. Most of the increases during the year were made in States in which the respective State health departments, with the cooperation of the United States Public Health Service or the International Health Board, or both, were enabled to give encouragement, technical advice, and financial assistance to county or district health departments.

Without moral support and financial assistance from outside sources, local governments of rural communities (counties, towns, townships, or districts) evidently are not disposed to appropriate adequately for the support of efficient, whole-time, local health service. As health conditions in a rural community in one State influence importantly those in other communities in that and in other States,

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it seems proper for the State and the Federal Government to participate in due proportion in the development and maintenance of efficient, economical, official, local health service. Yet for only a very small proportion of our State health departments are sufficient funds provided to enable the State government to meet to a degree approaching adequacy its responsibilities in the field of rural health service, and the United States Public Health Service has been provided for the last five years with annual appropriations of only \$50,000 to \$75,000 for rural sanitation.

At the rate of progress made since 1920, it will take about 85 years for whole-time rural health service to be extended to all communities of the United States in which such service is needed.

Reasonably adequate whole-time rural health service throughout this country would cost about \$20,000,000 a year, and, through the prevention of sickness, death, and loss in earnings, would effect a saving to the people of over \$1,000,000,000—or a net saving every year of over \$980,000,000.

Table 2 presents, by States, the percentage of rural population having local health service under the direction of whole-time county (or district) health officers at the beginning of 1925.

TABLE 2.—*Percentage of rural population having, on January 1, 1925, local health service under whole-time county or district health officers*

State	Rural population (census, 1920)	Rural population with local health service under direction of whole-time health officers	Percentage of rural population with local health service under direction of whole-time health officers
Alabama	1,838,857	807,058	43.88
Arizona	216,635	27,344	12.62
Arkansas	1,461,767	0	0
California	1,095,132	269,879	24.64
Colorado	486,370	0	0
Connecticut	444,292	11,475	2.58
Delaware	102,236	0	0
Florida	612,645	0	0
Georgia	2,167,973	380,602	17.55
Idaho	312,829	0	0
Illinois	2,082,127	164,283	7.89
Indiana	1,447,535	0	0
Iowa	1,528,526	34,845	2.28
Kansas	1,151,293	82,055	7.12
Kentucky	1,783,087	142,948	8.01
Louisiana	1,170,346	217,638	18.59
Maine	408,445	25,631	5.47
Maryland	580,239	225,038	38.78
Massachusetts	202,168	16,562	8.19
Michigan	1,426,852	0	0
Minnesota	1,335,532	50,898	3.81
Mississippi	1,550,497	244,125	15.75
Missouri	1,817,152	251,578	13.84
Montana	376,878	32,711	8.67
Nebraska	891,066	0	0
Nevada	62,153	0	0
New Hampshire	163,322	0	0
New Jersey	680,964	0	0
New Mexico	205,300	120,182	40.68
New York	1,795,383	39,708	2.21
North Carolina	2,068,753	935,303	45.21
North Dakota	558,633	0	0

TABLE 2.—*Percentage of rural population having, on January 1, 1925, local health service under whole-time county or district health officers—Continued*

State	Rural population (census, 1920)	Rural population with local health service under direction of whole-time health officers	Percentage of rural population with local health service under direction of whole-time health officers
Ohio.....	2,082,258	1,248,522	59.96
Oklahoma.....	1,488,803	159,592	10.70
Oregon.....	392,370	80,896	20.61
Pennsylvania.....	3,112,293	0	0
Rhode Island.....	15,217	0	0
South Carolina.....	1,389,737	492,465	35.43
South Dakota.....	534,675	32,124	6.00
Tennessee.....	1,726,659	242,351	14.03
Texas.....	3,150,539	168,659	5.44
Utah.....	233,812	22,109	9.45
Vermont.....	242,452	0	0
Virginia.....	1,635,203	307,015	18.77
Washington.....	607,886	166,531	27.40
West Virginia.....	1,094,694	195,523	17.86
Wisconsin.....	1,387,499	0	0
Wyoming.....	137,054	3,188	2.32
Total.....	51,406,017	7,138,838	13.88

The lack at this time of official local health service approaching adequacy among over 86 per cent of our rural population is, in view of every salient fact in the situation, a matter of portentous seriousness and one which should be given the prompt and vigorous attention of all who have a genuine interest in our national welfare.

SUMMARY OF PROVISIONAL BIRTH, DEATH, AND INFANT MORTALITY RATES, 1924

The Department of Commerce announces that birth rates for 1924 were higher than for 1923 in 16 of the 25 States for which figures for the two years are shown in the accompanying summary. The highest 1924 birth rate (31.9 per 1,000 population) is shown for rural districts of North Carolina, and the lowest (14.9) is for rural districts of Montana.

Death rates for 1924 were lower than for 1923 in 23 of the 29 States shown for both years, record low rates appearing for the following 13 States: Connecticut, Delaware, Kansas, Kentucky, Maine, Massachusetts, Montana, Nebraska, Ohio, Pennsylvania, Vermont, Virginia, and Wisconsin. The following 6 States have higher rates for 1924 than for 1923: California, Florida, Mississippi, Oregon, South Carolina, and Washington. The highest 1924 death rate (22.1 per 1,000 population) is shown for the urban districts of Mississippi, and the lowest (6.5) for the rural districts of Montana.

Infant mortality rates for 1924 are generally lower than those for 1923, as only 3 of the 25 States show higher rates in 1924. The highest 1924 infant mortality rate (121.6) appears for the urban

districts of South Carolina, and the lowest (51) for the rural districts of Nebraska. Infant mortality rates are shown for both years for 44 cities of 100,000 population or more in 1920. For 36 of these cities the 1924 infant mortality rates are lower than those of the previous year. The highest 1924 rate (92) is for Trenton and the lowest (45.3) for Seattle.

Birth, death, and infant mortality rates (exclusive of stillbirths) for States in the birth registration area, 1923 and 1924

[The term "urban" indicates municipalities of 10,000 inhabitants or more in 1920, and the remainder of the State are included in "rural"]

Area	Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births		Deaths			
	1924	1923	1924	1923	1924	1923
Total ¹	22.5	22.3	11.9	12.4	71.9	77.7
Urban	22.5	22.2	12.4	12.9	72.8	77.9
Rural	22.5	22.3	11.4	12.0	71.0	77.4
California	22.0	21.1	14.5	14.3	67.3	73.0
Urban	22.4	21.3	14.4	14.4	62.4	65.8
Rural	21.6	20.8	14.5	14.3	68.9	83.3
Connecticut	21.1	20.8	11.3	12.0	74.4	76.5
Urban	22.6	22.4	11.3	12.0	67.1	76.8
Rural	16.1	15.9	11.4	12.1	76.7	75.3
Delaware	18.9	19.7	12.8	14.0	95.2	104.0
Urban	19.2	19.8	11.7	13.2	90.9	98.5
Rural	18.6	19.6	14.0	14.9	99.9	109.7
Florida	24.2	(*)	14.6	13.5	83.4	(*)
Urban	24.7	(*)	16.7	15.1	80.9	(*)
Rural	24.0	(*)	13.8	12.9	80.9	(*)
Illinois	19.9	19.4	11.2	12.0	71.1	81.9
Urban	20.5	19.9	11.6	12.3	74.6	85.0
Rural	19.0	18.7	10.7	11.7	65.2	77.1
Indiana	22.3	21.7	12.2	12.9	65.3	71.0
Urban	23.3	22.3	12.4	13.1	72.7	78.5
Rural	21.6	21.3	12.1	12.7	59.2	65.2
Maine	23.6	22.6	13.6	15.0	80.7	88.5
Urban	24.7	24.5	14.8	16.5	88.2	88.7
Rural	23.2	21.9	13.1	14.4	77.3	88.4
Maryland	22.7	23.0	13.8	14.7	86.3	94.6
Urban	22.4	22.9	14.4	15.1	84.6	87.1
Rural	23.2	23.2	13.0	14.1	88.5	104.4
Michigan	24.1	23.4	11.6	12.4	72.2	80.3
Urban	24.4	24.1	11.0	11.9	75.5	85.3
Rural	23.7	22.6	12.4	13.0	67.9	73.7
Minnesota	22.0	22.5	9.7	10.1	56.5	61.7
Urban	24.2	24.3	12.0	12.5	55.7	61.9
Rural	20.7	21.6	8.4	8.9	57.0	61.5
Mississippi	24.3	24.0	11.8	11.4	71.3	68.1
Urban	27.5	24.1	22.1	20.3	94.7	85.9
Rural	24.0	24.0	10.9	10.6	69.0	66.5
Montana	16.1	17.1	7.8	8.0	65.8	71.5
Urban	21.0	22.8	13.0	12.8	71.9	72.4
Rural	14.9	15.7	6.5	6.8	63.7	71.1
Nebraska	21.5	22.6	9.0	9.5	55.2	57.3
Urban	23.7	23.8	12.8	13.1	67.5	70.5
Rural	20.9	22.3	7.9	8.4	51.0	53.2
New Hampshire	22.5	20.8	14.1	15.1	78.0	93.2
Urban	25.6	24.3	13.3	14.5	81.0	101.6
Rural	19.9	17.9	14.7	15.5	74.8	84.0
New Jersey	22.3	22.1	11.9	12.3	70.0	71.6
Urban	23.9	23.8	11.6	12.0	70.3	70.5
Rural	19.2	19.0	12.3	12.9	69.4	74.3
New York	21.2	21.2	12.8	13.0	69.1	72.1
Urban	21.8	21.9	12.2	12.4	69.6	71.2
Rural	19.1	19.0	14.8	15.4	67.1	75.7

¹ Birth registration area, exclusive of the following States, for both years, as data for 1924 are incomplete: Florida, Iowa, Kansas, Kentucky, Massachusetts, North Dakota, Rhode Island, and Utah. Death rates for Kansas, Kentucky, and Massachusetts and birth rates for Iowa will be found on p. 952.

² Not in the registration area in 1923.

Birth, death, and infant mortality rates (exclusive of stillbirths) for States in the birth registration area, 1923 and 1924—Continued

Area	Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births		Deaths			
	1924	1923	1924	1923	1924	1923
North Carolina	31.6	31.3	11.9	12.0	82.7	81.0
Urban	30.4	28.4	16.2	16.2	100.7	109.5
Rural	31.9	31.8	11.1	11.3	79.8	76.8
North Dakota	20.8	(2)	7.1	(2)	66.7	(2)
Urban	30.4	(2)	12.5	(2)	67.5	(2)
Rural	19.9	(2)	6.6	(2)	66.6	(2)
Ohio	21.1	21.0	11.2	12.3	66.8	74.7
Urban	21.6	21.6	11.1	12.0	70.4	74.6
Rural	20.5	20.3	11.4	12.6	61.7	74.7
Oregon	18.6	18.2	11.3	10.9	53.3	57.3
Urban	19.5	18.6	13.1	12.6	51.4	53.2
Rural	18.0	18.0	10.2	9.9	54.6	60.0
Pennsylvania	24.2	23.9	12.3	13.3	78.8	90.4
Urban	23.5	23.3	13.3	13.9	80.4	87.0
Rural	24.8	24.5	11.3	12.5	77.0	93.9
South Carolina	26.9	25.4	12.9	11.8	101.7	96.3
Urban	26.6	26.3	21.5	20.1	121.6	116.8
Rural	26.9	25.3	11.9	10.9	99.4	93.8
Vermont	21.0	20.8	13.8	15.2	70.3	76.0
Urban	27.0	24.5	16.0	16.5	78.4	92.1
Rural	20.0	20.2	13.4	15.0	68.6	72.9
Virginia	26.5	26.8	11.9	12.8	76.9	84.0
Urban	21.7	22.4	13.3	13.8	93.1	98.4
Rural	28.2	28.3	11.5	12.5	72.4	80.1
Washington	17.4	17.6	10.0	9.7	55.8	56.5
Urban	18.9	18.9	10.7	10.3	51.6	51.0
Rural	16.1	16.5	9.3	9.1	60.3	62.2
Wisconsin	20.7	21.5	10.1	10.7	66.5	63.9
Urban	23.5	23.3	11.0	11.8	68.6	76.8
Rural	19.0	20.4	9.6	10.0	64.9	65.2
Wyoming	24.0	23.4	9.5	10.3	63.8	79.6
Urban	31.5	34.9	12.3	16.1	73.1	102.2
Rural	22.5	21.4	8.9	9.3	61.3	73.5

² Not in the registration area in 1923.

Birth, death, and infant mortality rates (exclusive of stillbirths) for cities in the birth registration area, 1923 and 1924

[The 1924 figures are *provisional*. Cities having incomplete data for either births or deaths are shown at the end of this table. Cities designated by asterisks (*) contain either State institutions or institutions for the care of children]

City	Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births		Deaths			
	1924	1923	1924	1923	1924	1923
<i>California</i>						
Alameda	17.1	16.2	10.1	10.2	50.4	40.1
Bakersfield	31.6	32.8	19.2	18.0	95.4	85.2
Berkeley	14.1	15.4	9.8	9.0	50.5	41.3
Eureka	30.8	29.0	19.1	22.5	58.1	95.9
Fresno*	24.7	25.7	9.8	11.9	59.9	89.8
Glendale*	39.5	36.8	24.8	23.7	48.2	41.6
Long Beach	27.8	27.0	14.3	15.7	40.6	41.1
Los Angeles	(1)	(1)	(1)	(1)	66.0	72.1
Oakland	18.3	17.3	11.2	10.8	65.7	62.7
Pasadena	24.9	22.1	15.3	14.7	45.3	36.5
Pomona	22.6	24.5	13.8	15.2	70.8	63.9
Richmond	16.1	15.3	6.0	6.0	60.7	60.5
Riverside	26.2	24.4	17.8	17.6	91.6	94.5
Sacramento	28.6	26.8	17.6	17.0	69.9	66.2
San Bernardino*	35.7	35.0	23.2	25.0	101.5	112.2

¹ Population not estimated.

Birth, death, and infant mortality rates (exclusive of stillbirths) for cities in the birth registration area, 1923 and 1924—Continued

City	Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births		Deaths			
	1924	1923	1924	1923	1924	1923
<i>California—Continued</i>						
San Diego	23.1	22.9	17.2	16.8	54.8	59.3
San Francisco	16.5	16.0	13.6	13.6	55.8	58.3
San Jose	20.5	18.3	11.1	10.7	52.5	52.2
Santa Ana	28.6	29.7	17.2	16.9	111.9	80.2
Santa Barbara	20.2	21.1	12.1	13.4	63.8	61.3
Santa Cruz	21.4	20.8	19.8	23.1	29.9	26.4
Santa Monica	32.8	34.0	21.2	21.4	55.5	88.7
Stockton *	20.1	21.1	13.4	13.9	64.9	78.1
Vallejo	8.7	10.2	7.5	7.6	67.0	63.5
Venice	10.2	7.8	9.1	7.5	71.4	78.4
<i>Connecticut</i>						
Ansonia	16.0	18.3	8.2	9.5	116.7	97.1
Bridgeport	(1)	(1)	(1)	(1)	56.2	79.9
Bristol	25.2	23.9	8.9	10.4	79.6	77.5
Danbury town	23.1	23.8	14.3	19.2	64.0	96.0
Derby	35.3	36.3	14.6	16.6	73.9	89.2
East Hartford town	11.2	10.5	7.5	7.7	67.1	66.2
Enfield town	23.3	23.8	10.7	9.6	67.8	84.5
Fairfield town	15.7	15.4	7.8	6.9	73.1	77.3
Greenwich town	19.2	18.1	10.6	12.1	69.3	61.8
Hartford	25.9	25.4	11.6	13.1	61.8	79.3
Manchester town	22.2	20.4	8.7	9.5	52.5	70.7
Meriden town	19.4	21.4	12.4	12.1	67.3	69.3
Middletown town*	27.1	26.4	22.9	22.4	70.1	71.9
Milford town	12.2	12.8	9.3	9.5	63.7	44.6
Naugatuck borough	10.4	11.5	5.5	7.3	65.5	98.4
New Britain	24.8	25.5	9.6	8.7	77.1	79.1
New Haven	22.8	22.9	12.2	12.6	72.2	74.4
New London	27.8	27.0	14.5	15.0	59.3	83.7
Norwalk	23.6	20.2	12.5	13.7	59.2	75.1
Norwich town *	27.2	26.2	17.3	16.6	70.2	65.6
Orange town	22.2	20.9	14.0	14.8	60.0	54.1
Stamford town	29.5	24.2	13.5	11.8	67.3	59.0
Stonington town	16.0	15.5	9.1	10.4	58.1	78.8
Stratford town	15.0	14.7	8.8	8.0	73.3	59.9
Torrington town	20.7	18.8	9.5	8.3	56.8	62.2
Wallingford town	14.9	14.9	8.4	10.8	43.2	32.8
Waterbury	(1)	(1)	(1)	(1)	77.1	88.9
Windham town	24.1	25.4	12.4	15.7	49.1	88.6
<i>Delaware</i>						
Wilmington	19.2	19.8	11.7	13.2	90.9	98.5
<i>District of Columbia</i>						
Washington	19.0	18.9	13.5	14.9	76.0	91.8
<i>Florida</i>						
Jacksonville	22.2	(1)	17.7	17.3	97.6	(1)
Key West	18.9	(1)	12.2	11.5	93.2	(1)
Miami	40.5	(1)	22.4	18.2	102.5	(1)
Pensacola	20.3	(1)	14.2	13.4	102.0	(1)
St. Petersburg	18.9	(1)	18.8	16.9	90.0	(1)
Tampa	25.1	(1)	13.4	11.5	61.8	(1)
<i>Illinois</i>						
Alton	25.7	25.1	14.6	14.1	91.2	84.1
Aurora	25.3	23.8	12.6	13.3	54.9	61.4
Bellefontaine	17.5	19.2	12.5	14.3	79.6	91.8
Berwyn	15.9	14.2	7.1	7.6	52.4	94.3
Bloomington	18.1	19.5	13.5	13.6	73.4	69.2
Blue Island	29.8	23.9	14.2	16.4	75.5	106.3
Cairo	16.9	14.2	17.7	17.0	141.2	155.3
Canton	21.7	20.8	14.6	17.4	71.1	109.2
Centralia	24.7	23.0	12.0	15.3	91.2	131.8
Champaign	21.8	20.3	12.1	11.5	92.3	59.0
Chicago	20.0	19.4	11.2	11.7	76.8	87.3
Chicago Heights	19.5	23.0	9.1	12.7	82.9	126.8

¹ Population not estimated.² Not in the birth registration area in 1923.

Birth, death, and infant mortality rates (exclusive of stillbirths) for cities in the birth registration area, 1923 and 1924—Continued

City	Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births		Deaths			
	1924	1923	1924	1923	1924	1923
<i>Illinois—Continued</i>						
Cicero	10.4	12.4	4.8	5.3	87.8	90.6
Danville	21.1	23.9	14.3	17.0	75.5	80.7
Decatur	22.1	22.0	12.3	13.4	77.0	84.3
East St. Louis	20.6	19.5	11.9	13.5	106.4	108.2
Elgin*	22.1	19.3	21.5	23.3	58.0	48.3
Evanston	34.7	31.7	11.2	11.5	43.2	45.7
Forest Park	6.3	7.7	9.0	8.6	125.0	73.7
Freeport	24.6	22.3	15.2	16.2	49.5	66.2
Galesburg	24.0	23.9	14.0	16.9	64.2	82.1
Granite City	32.3	26.5	12.2	13.7	83.2	78.7
Herrin	26.4	29.0	11.1	10.9	94.1	110.5
Jacksonville*	20.1	19.4	32.6	31.8	71.9	78.2
Joliet	19.9	20.2	11.9	12.6	91.2	102.2
Kankakee	25.8	24.8	14.0	13.5	74.5	74.3
Kewanee	18.5	19.1	10.0	12.9	89.1	85.2
La Salle	25.2	23.5	11.7	12.7	77.8	81.2
Lincoln*	21.7	18.5	16.0	24.9	67.2	137.2
Mattoon	25.3	25.9	15.8	14.3	89.9	72.8
Maywood	12.7	11.7	7.4	7.0	68.2	63.7
Moline	18.9	19.1	9.3	10.5	61.9	65.5
Murphysboro	16.1	22.3	12.0	14.5	66.3	60.6
Oak Park	43.5	37.6	14.4	13.8	29.4	37.2
Ottawa	27.1	26.0	13.6	17.7	68.0	99.0
Pekin	24.0	24.9	12.5	10.8	66.9	68.8
Peoria	16.3	17.8	13.7	15.3	84.5	89.0
Quincy	20.4	20.6	14.3	16.0	64.0	60.8
Rock Island	11.5	11.0	8.8	8.2	51.1	78.6
Rockford	21.3	19.9	9.1	10.4	57.4	86.1
Springfield	22.5	21.9	15.5	17.0	69.4	79.9
Streator	30.6	26.3	14.8	14.1	45.7	61.1
Urbana	18.8	14.8	13.2	9.9	66.7	55.6
Waukegan	20.4	20.3	10.2	11.3	68.6	118.6
<i>Indiana</i>						
Anderson	21.1	20.0	12.1	11.6	68.8	83.3
Bloomington	35.1	33.8	13.7	14.3	52.8	70.2
Clinton	16.8	18.2	8.4	6.9	122.2	91.3
Crawfordsville	18.6	17.8	16.4	15.1	35.9	70.3
East Chicago	24.4	24.5	10.2	10.4	139.5	123.1
Elkhart	23.4	23.5	11.1	12.9	54.7	65.4
Elwood	24.5	24.9	11.8	12.8	83.3	84.9
Evansville	19.5	19.3	11.9	11.7	68.5	72.6
Fort Wayne	25.2	22.7	11.1	12.9	56.8	62.2
Frankfort	23.2	18.4	12.2	13.3	64.0	78.3
Gary	27.4	24.5	13.0	12.5	87.7	98.7
Hammond	27.0	23.7	9.1	10.9	72.5	107.9
Huntington	23.8	21.6	11.3	12.3	56.8	30.4
Indianapolis	20.9	20.7	13.1	14.4	77.1	86.3
Jeffersonville	23.6	19.8	15.3	15.1	105.0	55.0
Kokomo	22.5	22.9	10.6	11.6	77.0	72.0
La Porte	24.7	21.8	11.9	13.8	35.5	68.9
Lafayette	29.1	30.9	19.0	20.7	53.9	50.0
Logansport	18.7	19.8	11.0	12.7	44.5	46.9
Marion	21.6	21.7	11.9	14.8	62.8	83.5
Michigan City	29.7	28.4	14.6	14.5	70.2	79.0
Mishawaka	45.9	38.6	15.5	14.3	57.1	65.9
Muncie	21.3	20.2	12.1	13.5	83.7	84.8
New Albany	23.4	21.8	13.7	13.8	42.7	41.9
New Castle	19.1	18.4	9.3	10.2	73.0	77.7
Peru	23.1	22.3	12.7	13.7	75.3	64.3
Richmond	16.2	14.9	10.2	11.2	57.4	65.7
South Bend	30.9	28.2	12.0	11.6	64.3	70.7
Terre Haute	21.0	21.4	13.9	14.0	77.9	70.7
Vincennes	24.8	23.3	16.7	14.7	91.5	72.1
Whiting	21.5	19.3	7.0	8.3	82.7	99.5
<i>Maine</i>						
Auburn	14.4	15.6	10.5	12.2	85.6	105.5
Augusta*	24.9	26.4	22.7	23.5	91.2	55.1
Bangor*	21.1	18.8	10.3	20.2	69.6	76.5
Bath	12.7	12.0	8.8	9.8	105.5	85.0
Biddeford	36.9	35.3	14.6	17.0	85.3	115.9
Lewiston	30.6	33.1	16.6	19.3	117.8	107.2
Portland	21.8	22.4	14.3	15.6	79.8	74.6
Sanford town	39.2	29.9	9.8	14.2	62.4	109.8
Waterville	31.6	30.9	14.3	15.0	93.3	71.6

Birth, death, and infant mortality rates (exclusive of stillbirths) for cities in the birth registration area, 1923 and 1924—Continued

City	Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births		Deaths			
	1924	1923	1924	1923	1924	1923
<i>Maryland</i>						
Annapolis	21.3	21.6	11.8	15.1	79.8	129.8
Baltimore	22.2	22.7	14.4	15.0	85.0	85.6
Cumberland	26.8	27.7	13.9	16.2	79.1	106.1
Frederick	26.8	27.7	20.5	25.0	93.5	79.9
Hagerstown	22.1	22.6	13.1	13.9	79.3	88.2
<i>Michigan</i>						
Adrian	24.4	24.0	15.6	16.0	43.0	78.0
Alpena	31.9	30.4	14.9	18.6	70.6	91.7
Ann Arbor	31.7	35.6	20.7	28.9	66.9	109.4
Battle Creek	19.4	19.1	13.2	13.4	81.4	87.6
Bay City	23.1	21.3	12.6	12.2	49.8	93.3
Benton Harbor	30.5	26.5	16.3	13.5	84.1	68.0
Detroit	(1)	(1)	(1)	(1)	78.9	86.6
Escanaba	35.6	36.3	14.8	15.9	70.8	79.8
Flint	(1)	(1)	(1)	(1)	68.9	98.0
Grand Rapids	22.3	22.7	10.3	11.7	52.9	63.3
Hamtramck	19.7	23.1	5.4	6.2	108.2	112.4
Highland Park	22.9	23.3	8.2	8.3	71.7	62.8
Holland	26.5	27.5	10.0	10.0	58.1	48.3
Ironwood	23.2	25.5	11.4	10.3	121.2	70.1
Ishpeming	25.5	22.3	11.5	11.4	56.0	102.6
Jackson	20.2	20.2	11.6	12.2	61.7	81.6
Kalamazoo	26.4	25.5	16.6	18.1	54.0	62.8
Lansing	24.3	23.5	10.7	11.9	74.7	80.6
Marquette	27.7	27.1	14.0	13.8	78.8	56.0
Monroe	24.2	24.6	11.4	12.3	144.1	79.8
Muskegon	28.0	28.3	12.2	14.2	70.8	85.9
Owosso	23.8	24.1	13.6	16.3	63.3	103.7
Pontiac	22.8	23.0	14.3	14.4	91.8	81.9
Port Huron	24.1	23.7	14.3	14.5	79.5	89.0
Saginaw	23.2	21.8	12.5	14.0	75.5	85.5
Sault Ste. Marie	27.4	27.0	11.7	14.7	63.4	95.1
Traverse City	17.2	17.0	30.2	30.9	69.1	91.4
Wyandotte	28.0	31.1	9.7	14.6	80.9	126.5
<i>Minnesota</i>						
Austin	24.2	25.9	9.8	11.8	67.9	75.3
Duluth	22.3	22.6	9.6	10.1	63.8	72.5
Faribault*	24.1	23.0	16.6	18.6	48.3	58.8
Hibbing	32.5	30.7	8.4	8.7	56.3	71.0
Mankato	29.8	29.3	14.8	15.7	44.9	56.8
Minneapolis	23.4	23.7	11.2	11.1	53.5	54.1
Rochester*	23.0	23.0	50.7	57.8	55.6	71.4
St. Cloud	34.1	32.1	11.5	12.4	52.9	86.0
St. Paul	25.2	25.3	12.0	12.9	56.5	66.1
Virginia	21.1	19.1	7.7	8.3	60.4	85.6
Winona	25.3	23.1	13.6	13.0	55.0	47.1
<i>Mississippi</i>						
Biloxi	31.1	26.1	16.6	12.9	112.6	89.5
Columbus	19.2	16.9	15.4	10.4	93.0	80.2
Greenville	22.2	22.3	22.9	23.0	96.4	91.2
Hattiesburg	30.5	19.6	16.5	9.4	75.3	40.7
Jackson*	30.8	25.8	24.3	27.2	137.7	114.6
Laurel	37.6	36.1	16.9	18.7	49.4	49.3
Meridian*	24.4	22.7	18.0	17.4	96.9	82.6
Natchez	20.6	16.4	21.6	17.8	108.6	118.5
Vicksburg*	26.6	26.2	38.6	34.2	75.0	101.3
<i>Montana</i>						
Anaconda	18.0	18.5	9.9	11.5	67.3	88.5
Billings	21.9	26.9	12.3	12.8	94.0	83.5
Butte	14.2	15.0	13.7	12.8	85.8	75.2
Great Falls	25.5	27.6	10.8	9.4	64.0	44.3
Helena	22.8	22.8	15.1	15.5	65.7	75.0
Missoula	33.2	36.1	16.9	18.3	52.3	96.3

* Population not estimated.

Birth, death, and infant mortality rates (exclusive of stillbirths) for cities in the birth registration area, 1923 and 1924—Continued

City	Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births		Deaths			
	1924	1923	1924	1923	1924	1923
<i>Nebraska</i>						
Grand Island	23.7	24.0	17.5	16.7	96.7	94.4
Hastings	24.5	25.0	14.3	15.8	86.8	83.3
Lincoln	22.6	23.7	12.1	11.9	57.0	55.2
North Platte	18.9	20.5	10.4	10.2	93.1	93.8
Omaha	24.3	24.0	12.7	13.2	65.8	71.1
<i>New Hampshire</i>						
Berlin	30.4	30.6	10.2	9.6	83.6	94.4
Concord*	21.4	17.7	19.0	21.6	53.9	80.6
Dover	23.8	23.8	14.4	15.7	87.1	77.4
Keene	26.8	21.9	16.3	16.4	76.4	47.1
Laconia	29.4	28.5	16.3	18.9	63.6	110.1
Manchester	25.7	25.0	11.9	12.8	92.6	117.2
Nashua	28.2	25.9	12.4	15.4	75.7	109.5
Portsmouth	18.2	19.1	12.4	12.0	67.7	76.4
<i>New Jersey</i>						
Asbury Park	15.0	15.9	10.8	13.8	59.7	85.7
Atlantic City	23.9	24.0	18.6	19.7	76.9	85.3
Bayonne	24.5	26.1	8.4	8.3	71.6	61.8
Belleville	19.0	19.7	13.1	10.9	94.6	54.4
Bloomfield	11.2	11.8	7.1	7.0	77.7	37.9
Bridgeton	24.4	23.6	15.3	18.9	85.5	61.9
Camden	26.0	25.6	13.8	14.5	90.6	88.8
Carteret	22.5	25.2	6.5	6.3	92.1	95.1
Clifton	16.9	17.1	6.9	7.0	78.4	66.3
East Orange	5.2	6.2	6.3	8.1	66.2	56.7
Elizabeth	(1)	(1)	(1)	(1)	66.6	68.5
Englewood	48.7	41.6	20.0	19.3	72.8	41.3
Garfield	27.9	27.9	6.8	6.7	66.7	71.1
Gloucester	17.6	18.1	10.1	10.7	63.6	109.2
Hackensack	43.9	39.7	19.7	20.6	58.8	59.7
Harrison	23.7	23.3	8.8	8.1	69.9	63.8
Hoboken	21.6	21.7	14.0	13.0	71.3	74.4
Irvington	16.8	12.8	8.9	8.4	44.9	61.9
Jersey City	23.6	23.7	12.2	12.0	76.6	76.2
Kearny	16.0	18.8	10.0	10.7	65.6	53.9
Long Branch	41.6	47.2	29.0	29.4	84.7	93.5
Millville	23.0	23.3	10.9	16.0	74.6	102.5
Montclair	10.9	9.7	7.1	8.0	88.6	95.1
Morristown*	42.6	43.3	22.8	25.1	61.7	99.3
New Brunswick	30.3	27.4	14.2	14.5	58.8	68.8
Newark	25.7	25.3	11.2	11.6	64.6	67.7
Orange	49.5	46.2	15.0	16.9	45.1	42.5
Passaic	28.0	27.2	9.2	10.8	64.6	74.5
Paterson	22.0	22.0	12.1	13.1	65.2	67.5
Perth Amboy	26.3	25.8	10.5	9.4	79.9	73.7
Phillipsburg	20.8	20.7	11.5	9.5	86.4	80.4
Plainfield	31.5	29.2	13.7	14.7	55.3	69.1
Rahway	19.4	23.7	10.9	11.4	69.9	47.1
Summit	27.2	23.7	14.9	12.8	54.8	53.0
Trenton	24.5	24.6	14.4	14.0	92.0	78.1
Union	21.7	20.9	8.6	8.7	60.1	55.7
West Hoboken	18.2	19.5	6.3	6.4	52.1	50.4
West New York	17.5	17.6	5.4	5.2	33.6	44.0
West Orange	11.0	12.2	7.5	7.6	67.0	42.9
<i>New York</i>						
Albany	20.2	19.5	15.4	16.2	71.8	90.0
Amsterdam	23.9	25.9	11.6	11.4	52.0	61.7
Auburn	20.3	20.5	12.7	13.2	76.0	67.7
Batavia	28.8	28.8	16.2	18.3	60.5	100.7
Beacon*	18.8	17.9	17.0	19.2	101.0	55.6
Binghamton*	20.4	20.7	14.2	15.9	74.1	72.5
Buffalo	23.6	23.0	12.7	13.5	84.2	89.8
Cohoes	23.0	21.4	12.7	13.7	83.3	101.4
Corning	24.4	23.1	13.2	15.1	70.7	86.2
Cortland	26.1	24.1	18.6	18.1	103.3	74.4
Dunkirk	24.9	25.2	13.3	13.9	81.2	86.8
Elmira	22.6	22.0	13.4	14.0	88.0	93.2
Fulton	24.0	24.6	11.2	14.0	76.2	99.1
Geneva	24.4	23.3	13.8	14.5	65.3	91.9
Glens Falls	24.2	23.6	18.3	15.6	95.5	74.3

¹ Population not estimated.

Birth, death, and infant mortality rates (exclusive of stillbirths) for cities in the birth registration area, 1923 and 1924—Continued

City	Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births		Deaths			
	1924	1923	1924	1923	1924	1923
<i>New York—Continued</i>						
Gloversville	18.2	19.7	16.0	14.7	58.1	58.6
Herkimer	22.1	26.7	11.3	15.6	65.1	74.9
Bornell	19.0	20.0	12.4	14.0	63.8	80.4
Hudson	30.9	31.3	19.2	18.3	73.8	62.2
Ilion	18.5	14.6	13.9	12.5	86.8	94.1
Ithaca	24.7	24.1	17.0	17.6	53.8	72.3
Jamestown	21.8	22.1	12.7	12.9	70.1	68.6
Johnstown	10.6	11.9	11.8	13.3	59.3	136.4
Kingston	22.1	21.4	19.0	19.6	66.8	98.6
Lackawanna*	46.7	44.3	14.5	20.5	102.2	161.7
Little Falls	24.5	21.8	13.1	11.3	82.3	72.4
Lockport	21.8	21.5	13.4	14.4	41.1	92.4
Middletown*	18.8	16.5	22.1	21.6	56.1	74.5
Mount Vernon	21.1	22.3	9.2	9.5	61.9	49.5
New Rochelle	20.0	18.0	9.8	8.9	49.1	47.3
New York	21.6	21.7	11.8	11.7	67.7	66.6
Bronx Borough	17.4	17.7	9.3	9.0	59.7	56.3
Brooklyn Borough	23.1	22.8	10.8	11.1	63.5	59.7
Manhattan Borough	22.1	22.7	14.0	13.4	73.9	76.3
Queens Borough	20.3	19.4	10.2	11.1	69.2	67.1
Richmond Borough	22.3	22.4	16.6	13.2	60.2	62.3
Newburgh	19.8	20.4	13.1	15.9	62.4	68.9
Niagara Falls	26.7	26.5	9.4	11.0	62.3	83.7
North Tonawanda	20.7	21.2	11.7	12.4	95.0	109.6
Ogdensburg*	28.5	26.1	31.1	33.4	107.9	141.7
Olean	21.7	24.1	12.3	13.7	73.6	91.9
Oneida	23.9	20.7	13.9	17.5	54.3	102.1
Oneonta	21.4	22.2	15.5	18.7	74.3	102.2
Ossining	24.2	24.8	16.3	16.6	46.2	45.1
Oswego	19.1	22.6	12.5	15.6	92.5	110.3
Peekskill	23.1	22.2	11.9	14.5	70.1	78.9
Plattsburgh	31.6	30.0	21.8	21.7	89.9	107.0
Port Chester	34.9	31.9	11.2	14.3	53.2	66.4
Pt Jervis	21.4	22.2	18.2	15.2	98.8	86.6
Poughkeepsie	17.9	20.3	13.2	14.6	91.8	85.2
Rensselaer	9.3	10.8	9.7	11.6	79.2	102.6
Rochester	20.1	20.7	11.1	11.6	58.8	68.1
Rome*	25.3	23.5	17.2	19.4	58.4	82.3
Saratoga Springs	22.5	22.5	21.3	17.9	40.4	60.8
Schenectady	18.5	17.8	10.0	10.4	65.3	69.4
Syracuse	22.1	22.7	12.0	13.0	60.4	82.8
Tonawanda	20.8	20.6	9.5	8.5	70.5	45.2
Troy	21.0	19.6	18.3	18.1	92.1	100.4
Utica*	23.1	23.1	14.9	15.4	81.0	81.1
Watertown	25.3	23.9	16.0	16.1	95.7	82.6
Watervliet	13.4	17.3	10.2	11.4	126.7	84.2
White Plains	23.7	23.8	11.7	11.2	49.8	35.6
Yonkers	21.7	22.2	9.9	10.1	72.1	58.6
<i>North Carolina</i>						
Asheville*	31.5	26.4	24.0	25.2	105.7	133.3
Charlotte	31.8	29.3	15.6	15.3	79.2	101.5
Durham	25.4	26.9	17.7	15.8	119.7	135.9
Gastonia	41.0	42.4	10.7	16.3	54.4	99.4
Goldsboro*	27.4	29.1	17.5	18.8	125.0	159.3
Greensboro*	30.8	25.6	11.8	12.0	69.2	78.0
High Point	35.1	32.2	14.5	11.2	66.4	69.6
New Bern	24.4	21.0	18.0	18.3	127.5	134.3
Raleigh*	30.1	28.2	20.7	23.6	108.4	122.6
Rocky Mount	34.3	33.8	18.9	17.4	95.2	105.8
Salisbury	26.8	25.2	10.7	11.0	61.5	80.1
Wilmington	27.0	27.9	15.7	14.9	128.2	90.2
Wilson	36.1	33.2	17.2	17.3	100.4	102.8
Winston-Salem	29.0	26.3	15.9	14.5	137.5	139.5
<i>North Dakota</i>						
Fargo	30.8	(?)	13.2	(?)	78.5	(?)
Grand Forks	33.7	(?)	11.2	(?)	40.4	(?)
Minot	25.6	(?)	12.8	(?)	82.8	(?)

* Not in the registration area in 1923.

Birth, death, and infant mortality rates (exclusive of stillbirths) for cities in the birth registration area, 1923 and 1924—Continued

City	Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births		Deaths			
	1924	1923	1924	1923	1924	1923
<i>Ohio</i>						
Akron	(1)	(1)	(1)	(1)	61.1	65.7
Alliance	21.0	22.7	10.6	11.2	80.1	68.6
Ashtabula	24.6	24.7	11.4	12.1	61.1	68.3
Barberton	22.0	20.7	9.9	9.5	87.0	96.0
Beaumont	24.4	23.9	12.0	12.6	115.1	105.8
Bucyrus	17.8	18.6	11.1	11.7	58.5	67.0
Cambridge	23.2	27.4	13.1	14.8	40.5	53.3
Canton	24.1	24.1	10.1	10.4	80.7	61.8
Chillicothe	25.0	25.7	14.2	14.8	75.4	97.9
Cincinnati	21.6	20.5	15.2	16.1	78.8	79.9
Cleveland	23.0	23.2	10.2	10.8	66.1	67.2
Cleveland Heights	4.1	4.4	8.7	9.0	46.5	103.4
Columbus	21.2	21.1	13.2	15.3	65.3	75.5
Coshocton	17.8	19.7	12.1	14.8	83.7	45.0
Cuyahoga Falls	18.8	20.2	7.4	9.3	28.5	75.7
Dayton	19.6	18.9	10.9	11.8	72.1	79.4
East Cleveland	3.2	5.0	6.4	6.6	149.1	82.4
East Liverpool	30.1	26.2	14.1	15.0	60.8	91.1
East Youngstown	27.1	30.8	7.8	8.6	110.8	119.5
Elyria	22.7	23.4	11.2	11.0	56.8	45.2
Findlay	20.6	19.7	13.6	15.3	78.0	77.1
Fremont	15.5	17.7	8.8	10.5	75.5	67.5
Hamilton	27.7	26.1	12.7	13.5	69.9	75.0
Ironton*	26.9	28.9	15.8	16.9	90.4	104.1
Kenmore	20.3	23.5	4.4	5.0	62.2	57.2
Lakewood	13.1	14.5	7.4	8.4	55.1	76.8
Lancaster	23.3	22.8	14.4	14.6	70.3	65.9
Lima	24.1	23.7	12.4	13.6	72.6	66.0
Lorain	25.5	24.8	10.2	11.1	54.9	94.6
Mansfield	21.2	19.8	10.7	12.7	68.2	73.3
Marietta	20.9	19.8	14.6	14.5	100.6	53.2
Marion	20.6	20.0	10.2	13.4	59.9	97.4
Martins Ferry	19.3	23.5	13.5	15.6	108.5	98.3
Massillon	23.7	23.6	13.0	12.7	64.6	66.1
Middleton	29.1	29.4	9.8	10.4	73.0	80.9
New Philadelphia	23.4	23.4	9.4	9.9	25.4	70.4
Newark	20.2	19.3	12.5	14.2	81.4	68.5
Niles	20.9	20.7	5.8	7.1	62.5	92.9
Norwood	7.0	7.4	6.4	5.7	93.1	62.8
Piqua	19.2	20.7	15.1	15.1	79.2	68.1
Portsmouth	28.0	27.9	13.6	14.2	92.3	101.9
Salem	26.3	25.3	15.5	17.5	59.0	62.3
Sandusky	22.2	21.6	13.0	13.8	53.9	69.6
Springfield	18.7	19.8	12.1	13.2	59.8	91.5
Steubenville	25.1	23.1	15.2	15.6	94.1	81.7
Tiffin	17.1	18.2	13.7	15.9	106.9	83.3
Toledo	20.7	20.6	11.7	12.6	60.2	74.2
Warren	26.2	25.5	12.0	12.2	65.4	70.2
Youngstown	27.3	25.4	10.7	11.3	72.8	86.7
Zanesville	26.9	24.3	16.0	16.2	89.7	99.9
<i>Oregon</i>						
Astoria	17.6	16.8	9.8	11.1	42.4	68.7
Eugene	39.3	30.7	20.6	15.6	29.7	41.4
Portland	18.7	18.4	11.7	11.2	53.6	52.7
Salem	20.4	15.3	32.6	33.1	53.2	61.9
<i>Pennsylvania</i>						
Allentown	20.8	21.2	13.1	14.2	97.9	94.9
Altoona	26.5	24.8	11.0	12.5	54.9	72.1
Ambridge	21.6	26.4	5.5	7.5	71.2	63.7
Beaver Falls	24.2	24.5	16.6	14.6	91.5	81.5
Berwick	25.7	25.0	10.3	11.7	72.2	83.6
Bethlehem	21.9	23.8	7.6	8.7	62.0	68.2
Braddock	33.3	34.7	18.1	17.1	116.8	86.1
Bradford	25.1	25.2	16.0	15.4	53.0	63.1
Bristol	28.2	27.5	10.4	11.4	80.8	72.0
Butler	23.2	25.4	10.8	10.6	57.1	55.7
Cannonsburg	25.4	23.7	9.7	9.0	75.8	71.2
Carbondale	30.4	25.0	15.1	15.4	98.5	110.2
Carlisle	24.6	23.7	18.1	16.7	79.4	94.7

* Population not estimated.

Birth, death, and infant mortality rates (exclusive of stillbirths) for cities in the birth registration area, 1923 and 1924—Continued

City	Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births		Deaths			
	1924	1923	1924	1923	1924	1923
<i>Pennsylvania—Continued</i>						
Carnegie	25.4	26.7	8.4	8.8	77.4	93.2
Carrick	20.0	18.8	7.8	8.3	71.7	48.5
Chambersburg	22.5	20.3	13.8	15.1	74.0	97.1
Charleroi	21.9	21.1	6.3	8.1	103.3	65.9
Chester	23.4	23.6	10.3	12.8	87.3	97.6
Coatesville	17.4	17.5	7.1	8.5	75.0	87.3
Columbia	26.3	23.6	14.5	14.8	101.8	58.6
Connellsville	21.9	22.1	12.2	12.9	80.1	100.0
Dickson City	30.1	28.5	7.8	7.0	78.7	81.1
Donora	29.0	28.5	7.3	7.1	91.9	94.5
Du Bois	27.2	26.0	12.1	12.4	62.2	115.1
Dunmore	24.2	25.5	11.9	11.8	142.3	151.6
Duquesne	25.1	25.2	9.0	8.7	120.4	115.9
Easton	21.6	21.6	17.0	17.1	84.4	97.4
Erie	(1)	(1)	(1)	(1)	68.8	68.0
Farrell	23.1	23.6	9.2	8.3	145.6	106.8
Greensburg	27.9	27.0	17.1	18.5	56.6	101.4
Harrisburg	20.6	19.8	14.3	15.1	75.6	86.5
Hazleton	28.6	26.9	12.4	12.3	79.8	93.1
Homestead	24.8	23.3	14.6	9.6	115.7	83.3
Jeanette	28.9	29.8	7.5	10.1	38.9	106.5
Johnstown	32.3	29.0	13.2	15.1	82.3	89.6
Lancaster	25.9	27.0	17.2	17.0	84.3	81.1
Lebanon	23.5	25.0	16.3	16.0	90.0	107.4
McKees Rocks	25.6	26.3	8.1	11.1	72.1	124.2
McKeesport	28.5	28.0	16.4	14.4	97.9	78.3
Mahanoy City	22.2	21.7	11.0	11.7	95.1	124.3
Meadville	24.4	22.7	14.1	15.8	61.3	72.3
Monessen	27.5	28.8	8.5	6.4	105.6	69.0
Mount Carmel	33.8	30.1	11.8	10.4	84.7	104.6
Nanticoke	31.2	29.1	14.2	14.9	88.2	111.9
New Castle	28.9	28.4	12.3	11.2	77.7	82.0
New Kensington	32.6	34.4	14.5	17.3	65.9	66.5
Norristown*	23.8	22.6	20.2	22.6	85.5	108.1
North Braddock	25.8	26.1	8.0	9.1	118.2	88.5
Oil City	23.6	24.6	11.6	11.8	70.4	77.5
Old Forge	29.5	30.2	12.3	9.3	96.3	100.3
Olyphant	23.2	25.4	7.6	8.1	117.2	76.1
Philadelphia	21.2	21.2	12.9	13.8	75.2	79.6
Phoenixville	31.1	31.9	18.1	18.2	79.8	107.8
Pittsburgh	25.1	24.8	15.5	15.8	91.8	98.1
Pittston	33.8	29.8	11.8	16.4	80.2	128.7
Plymouth	29.4	25.2	10.0	8.2	76.3	72.3
Pottstown	23.7	21.1	14.6	16.9	64.5	104.7
Pottsville	27.0	24.6	20.5	18.3	93.3	97.6
Punxsutawney	25.5	26.3	15.1	18.4	89.9	141.3
Reading	21.2	21.4	13.5	13.6	79.0	85.2
Scranton	23.1	21.1	13.9	13.6	96.3	97.6
Shamokin	23.6	21.9	9.1	10.3	58.8	86.7
Sharon	23.0	23.0	12.4	13.7	78.4	76.8
Shenandoah	29.8	30.3	11.7	11.5	100.5	118.8
Steelton	21.9	24.5	9.5	13.1	105.4	127.7
Sunbury	20.7	21.0	11.0	11.9	58.1	81.2
Swissvale	16.1	14.3	8.0	8.8	59.4	97.7
Tamaqua	19.8	17.6	7.0	9.8	55.4	101.7
Uniontown	30.4	35.4	21.8	21.7	58.3	86.5
Warren	28.6	26.7	14.6	12.8	65.4	45.6
Washington	31.9	29.8	14.1	17.9	89.8	110.6
West Chester*	35.0	35.2	25.8	31.9	119.5	138.3
Wilkes-Barre	29.6	26.8	15.9	15.9	65.8	90.4
Wilkinsburg	23.6	22.4	14.6	15.8	53.7	71.4
Williamsport	22.6	24.6	14.0	15.7	67.0	75.0
Woodlawn	26.9	30.5	7.6	8.7	86.0	96.6
York	23.1	23.6	13.7	13.9	75.4	76.9
<i>South Carolina</i>						
Anderson	46.5	42.4	26.7	24.8	92.0	97.4
Charleston	23.7	24.3	20.3	20.3	153.4	149.0
Columbia*	26.0	25.8	27.4	25.0	103.3	105.4
Florence	32.9	31.5	27.5	24.9	128.3	141.0
Greenville	26.0	25.0	15.3	14.9	83.9	96.3
Spartanburg	24.6	24.4	16.6	12.7	126.8	61.9

* Population not estimated.

Birth, death, and infant mortality rates (exclusive of stillbirths) for cities in the birth registration area, 1923 and 1924—Continued

City	Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births		Deaths			
	1924	1923	1924	1923	1924	1923
Vermont						
Barre	24.2	19.3	13.9	17.1	74.4	72.5
Burlington	30.7	28.5	16.5	15.9	88.7	104.0
Rutland	22.6	21.3	16.3	16.9	59.7	70.0
Virginia						
Alexandria	28.9	27.2	16.5	15.9	90.8	114.5
Charlottesville	22.1	27.7	12.9	16.5	88.4	75.4
Danville	28.1	29.1	15.4	16.0	103.4	93.3
Lynchburg	27.3	29.1	15.3	15.5	76.0	71.6
Newport News	11.6	16.5	7.5	9.5	91.1	81.5
Norfolk	17.3	18.4	10.6	11.5	81.6	97.1
Petersburg	21.7	21.3	15.2	15.4	143.8	102.9
Portsmouth	19.2	20.0	12.0	11.2	122.9	98.8
Richmond	23.7	23.8	15.3	15.6	87.6	110.0
Roanoke	31.9	32.2	13.6	14.4	85.0	91.2
Staunton*	17.9	15.4	28.1	29.0	126.3	91.5
Washington						
Aberdeen	24.0	24.5	10.9	11.3	31.2	36.0
Bellingham	23.6	22.7	12.3	13.5	58.3	69.5
Everett	20.9	17.7	11.5	11.5	56.1	73.0
Hoquiam	23.0	21.8	9.0	9.9	67.7	59.8
Seattle	(1)	(1)	(1)	(1)	45.3	49.7
Spokane	(1)	(1)	(1)	(1)	51.7	48.3
Tacoma	21.7	21.3	11.1	10.9	56.8	48.4
Vancouver	17.8	18.2	11.0	10.9	71.4	31.7
Walla Walla	21.5	24.1	13.5	12.0	48.0	53.5
Yakima	27.9	29.2	15.6	15.1	75.8	59.4
Wisconsin						
Appleton	23.2	24.5	15.5	13.5	103.5	49.6
Ashland	27.9	25.4	23.0	16.7	75.9	66.0
Beloit	22.7	22.7	9.9	12.3	51.0	60.0
Eau Claire*	28.6	31.8	16.3	17.2	69.5	66.2
Fond du Lac	27.3	27.7	14.2	15.0	61.5	69.0
Green Bay	29.6	28.6	15.7	17.9	66.1	93.9
Janesville	20.5	18.9	11.2	11.3	67.3	53.2
Kenosha	21.5	20.1	7.3	8.7	58.0	89.5
La Crosse	30.2	28.9	17.3	16.4	56.6	71.8
Madison	24.8	24.4	11.9	13.3	49.0	70.3
Manitowoc	22.5	21.8	11.3	12.4	81.3	107.4
Marinette	23.7	20.2	14.7	13.8	126.9	47.3
Milwaukee	22.6	22.7	9.8	10.8	70.3	78.7
Oshkosh	22.5	22.0	13.6	14.6	73.6	78.1
Racine	19.1	21.4	8.1	9.6	64.3	77.5
Sheboygan	24.9	22.9	11.6	12.5	55.9	79.0
Stevens Point	26.8	26.0	13.0	12.9	88.8	77.9
Superior	22.0	21.8	11.0	10.9	65.3	86.6
Waukesha	23.0	22.4	9.0	11.4	69.9	51.3
Waupaca	29.8	28.0	14.7	13.5	86.0	65.5
West Allis	25.8	22.9	7.6	8.3	61.4	96.5
Wyoming						
Casper	35.9	41.0	12.9	18.9	74.0	99.8
Cheyenne	25.8	28.3	11.4	13.1	71.4	105.8

* Population not estimated.

Birth or death rates per 1,000 population, for the States and cities in the birth registration area from which either birth or death transcripts only have been received for the year

Area	Death rate per 1,000 population		Area	Death rate per 1,000 population	
	1924	1923		1924	1923
Kansas	9.9	11.0	Massachusetts—Continued.		
Urban	13.0	14.0	Danvers town*	24.5	28.1
Rural	8.8	10.0	Dedham town	9.3	10.4
Arkansas City	15.0	14.5	Easthampton town	8.0	9.6
Atchison	15.2	14.0	Everett	7.5	9.0
Chanute	13.4	16.1	Fall River	13.1	13.7
Coffeyville	12.5	14.1	Fitchburg	11.8	11.1
El Dorado	6.9	9.0	Framingham town	14.0	14.9
Emporia	16.9	16.1	Gardner town	13.3	12.7
Fort Scott	19.1	18.7	Gloucester	13.0	12.9
Hutchinson	9.7	10.9	Greenfield town	9.0	9.6
Independence	11.1	10.9	Haverhill	11.0	10.9
Kansas City	12.5	14.9	Holyoke*	13.0	13.8
Lawrence	15.2	14.1	Lawrence	10.7	11.7
Leavenworth	17.4	17.6	Leominster	12.3	11.3
Parsons	9.7	11.1	Lowell	13.3	14.6
Pittsburg	11.0	9.8	Lynn	11.1	11.7
Salina	12.4	11.7	Malden	10.0	11.8
Topeka	14.6	14.4	Marlborough	11.0	12.8
Wichita	12.4	14.5	Medford	9.4	9.6
Kentucky	10.5	11.0	Melrose	11.9	12.1
Urban	15.5	16.5	Methuen	12.3	12.5
Rural	9.3	10.8	Milford town	13.9	13.4
Ashland	11.8	15.7	Natick town	14.1	14.6
Covington	14.0	15.0	New Bedford	10.2	12.2
Henderson	18.1	16.3	Newburyport	15.4	16.1
Lexington*	22.7	23.4	Newton	10.3	11.4
Louisville	15.2	16.2	North Adams	12.7	12.8
Newport	10.4	11.1	Northampton*	17.3	19.5
Owensboro	17.1	17.1	Northbridge town	8.2	10.8
Paducah	20.5	17.1	Norwood town	8.5	8.4
Massachusetts	12.1	13.0	Peabody	11.3	10.9
Urban	11.9	12.7	Pittsfield	12.4	12.0
Rural	12.5	13.9	Plymouth town	11.9	11.7
Adams town	8.8	8.1	Quincy	8.8	9.5
Amesbury town	11.5	13.2	Revere	5.7	6.8
Arlington town	11.4	10.8	Salem	11.9	13.9
Attleboro	11.9	12.5	Saugus town	8.0	7.7
Belmont town	8.7	8.6	Somerville	9.7	11.2
Beverly	10.9	12.0	Southbridge town	9.0	8.6
Boston	14.1	14.9	Springfield	11.4	11.9
Braintree town	13.4	13.1	Taunton*	15.0	17.2
Brockton	10.2	10.6	Wakefield	0.7	10.9
Brookline town	10.4	10.8	Waltham	12.0	13.8
Cambridge	12.8	13.7	Watertown town	5.6	6.3
Chelsea	11.7	11.5	Webster town	6.6	9.4
Chicopee	8.5	9.1	West Springfield town	8.2	9.0
Clinton town	12.1	13.4	Westfield town	12.7	12.2
			Weymouth town	10.2	10.5
			Winchester town	10.8	11.6
			Winthrop town	9.2	8.6
			Woburn	11.5	11.9
			Worcester	12.6	13.1
Area	Birth rate per 1,000 population		Area	Birth rate per 1,000 population	
	1924	1923		1924	1923
Iowa	18.6	(1)	Iowa—Continued.		
Urban	20.3	(1)	Fort Dodge	23.9	(1)
Rural	18.0	(1)	Fort Madison	18.9	(1)
Boone	16.9	(1)	Iowa City	36.7	(1)
Burlington	20.6	(1)	Keokuk	23.4	(1)
Cedar Rapids	17.8	(1)	Marshalltown	18.6	(1)
Clinton	17.8	(1)	Mason City	21.1	(1)
Council Bluffs	23.0	(1)	Muscatine	18.0	(1)
Davenport	14.3	(1)	Ottumwa	24.7	(1)
Des Moines	20.9	(1)	Sioux City	21.4	(1)
Dubuque	21.8	(1)	Waterloo	17.6	(1)

¹ Not in the registration area in 1923.

DEATHS DURING WEEK ENDED APRIL 25, 1925

Summary of information received by telegraph from industrial insurance companies for week ended April 25, 1925, and corresponding week of 1924. (From the Weekly Health Index, April 28, 1925, issued by the Bureau of the Census, Department of Commerce)

		Week ended Apr. 25, 1925	Corresponding week, 1924
Policies in force	59,553,173	55,772,326	
Number of death claims	12,989	12,005	
Death claims per 1,000 policies in force, annual rate	11.4	11.2	

Deaths from all causes in certain large cities of the United States during the week ended April 25, 1925, infant mortality, annual death rate, and comparison with corresponding week of 1924. (From the Weekly Health Index, April 28, 1925, issued by the Bureau of the Census, Department of Commerce)

City	Week ended Apr. 25, 1925		Annual death rate per 1,000 corre- sponding week, 1924	Deaths under 1 year		Infant mortality rate week ended Apr. 25, 1925 ²
	Total deaths	Death rate ¹		Week ended Apr. 25, 1925	Corre- sponding week, 1924	
Total (63 cities)	7,597	14.5	14.3	903	924	
Alton	39			6	5	66
Albany ³	39	17.0	13.2	3	5	67
Atlanta	50	17.9	19.9	8	12	
Baltimore ⁴	237	15.5	17.9	24	32	70
Birmingham	65	16.5	18.4	9	9	
Boston	240	16.0	15.1	24	28	64
Bridgeport	32			3	1	48
Buffalo	193	18.2	14.5	27	23	110
Cambridge	29	18.1	22.8	4	4	69
Camden	52	21.1	15.7	9	9	148
Chicago ⁴	784	13.6	12.7	110	94	97
Cincinnati	152	19.4	15.6	7	13	41
Cleveland	224	12.5	12.3	20	29	80
Columbus	73	13.9	12.2	5	8	47
Dallas	48	12.9	16.1	7	12	
Denver	91			8	10	
Des Moines	47	16.4	10.1	8	1	137
Detroit	208			70	54	119
Duluth	26	12.3	10.1	2	6	42
Erie	29			4	8	78
Fall River ⁴	38	16.4	9.9	6	7	86
Flint	20			5	3	82
Fort Worth	37	12.7	11.6	5	2	
Grand Rapids	44	15.2	10.9	5	3	78
Houston	56			13	7	
Indianapolis	107	15.5	11.3	9	7	62
Jacksonville, Fla.	38	18.9	16.3	5	3	111
Jersey City	77	12.7	14.2	9	14	63
Kansas City, Kans.	31	13.1	14.1	5	6	105
Kansas City, Mo.	114	16.2	15.7	14	15	
Los Angeles	216			27	20	75
Louisville	81	16.3	14.3	8	6	70
Lowell	27	12.1	18.5	2	4	35
Lynn	15	7.5	7.5	1	4	27
Memphis	64	19.1	20.3	6	8	
Milwaukee	155	16.1	10.2	22	16	101
Minneapolis	108	13.2	11.7	17	11	91
Nashville ⁴	54	22.7	22.4	5	3	
New Bedford	32	12.3	15.7	3	7	
New Haven	52	15.2	11.0	4	6	52
New Orleans	172	21.6	15.5	29	14	
New York	1,614	13.8	13.9	192	198	77
Bronx Borough	189	10.9	10.8	21	22	73
Brooklyn Borough	530	12.4	12.6	68	74	71
Manhattan Borough	719	16.6	16.2	86	82	86
Queens Borough	127	11.5	13.8	15	18	74
Richmond Borough	46	17.9	16.4	2	2	36

¹ Annual rate per 1,000 population.

² Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and estimated births for 1924. Cities left blank are not in the registration area for births.

³ Data for 62 cities.

⁴ Deaths for week ended Friday, Apr. 24, 1925.

Deaths from all causes in certain large cities of the United States during the week ended April 25, 1925, infant mortality, annual death rate, and comparison with corresponding week of 1924. (From the Weekly Health Index, April 28, 1925, issued by the Bureau of the Census, Department of Commerce)—Continued

City	Week ended Apr. 25, 1925		Annual death rate per 1,000 corresponding week, 1924	Deaths under 1 year		Infant mortality rate week ended Apr. 25, 1925
	Total deaths	Death rate		Week ended Apr. 25, 1925	Corresponding week, 1924	
Newark, N. J.	120	13.8	14.0	21	25	96
Norfolk	36	11.1	14.0	5	4	89
Oakland	51	10.5	11.4	8	14	94
Oklahoma City	20	9.8	13.0	3	2	
Omaha	78	19.2	13.5	11	5	106
Paterson	33	12.1	15.6	5	6	84
Philadelphia	487	12.8	15.4	51	66	64
Pittsburgh	206	17.0	17.7	33	14	116
Portland, Oreg.	76	14.0	11.1	5	7	52
Providence	80	17.0	15.6	9	13	72
Richmond	54	15.1	15.6	10	10	121
Rochester	106	16.7		12		95
St. Louis	227	14.4	17.0	14	23	
St. Paul	77	16.3	14.5	10	12	85
Salt Lake City *	28	11.2	17.0	3	10	47
San Antonio	61	16.1	16.3	15	10	
San Francisco	149	13.9	15.1	7	9	40
Schenectady	25	12.8	10.4	4	4	113
Seattle	84			5	3	51
Somerville	25	12.8	13.5	2	1	54
Spokane	28			2	6	44
Springfield, Mass.	38	13.0	12.3	1	3	15
Syracuse	50	13.6	11.9	14	7	176
Tacoma	29	14.5	10.1	1	4	24
Toledo	70	12.7	14.7	5	13	45
Trenton	52	20.5	17.7	7	5	114
Washington, D. C.	160	16.8	15.6	21	7	118
Waterbury	22			4	4	88
Wilmington, Del.	20	8.5	12.6	1	4	23
Worcester	34	8.9	16.3	3	7	35
Yonkers	19	8.9	10.5	1	1	22
Youngstown	30	9.8	13.1	7	9	89

* Deaths for week ended Friday, Apr. 24, 1925.

PREVALENCE OF DISEASE

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring

UNITED STATES

CURRENT WEEKLY STATE REPORTS

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers

Reports for Week Ended May 2, 1925

ALABAMA		Cases	CALIFORNIA		Cases
Cerebrospinal meningitis		2	Diphtheria		115
Chicken pox		44	Influenza		61
Diphtheria		7	Leprosy—Kings County		1
Dysentery		32	Lethargic encephalitis:		
Influenza		134	Kern County		1
Lethargic encephalitis		1	Los Angeles		1
Malaria		42	San Francisco		1
Measles		20	Measles		85
Mumps		64	Poliomyelitis:		
Paratyphoid fever		7	Kings County		1
Pellagra		36	Los Angeles		1
Pneumonia		111	Modesto		3
Scarlet fever		41	Redondo Beach		1
Smallpox		114	San Diego		3
Tetanus		2	San Francisco		2
Tuberculosis		69	Santa Paula		1
Typhoid fever		24	Rocky Mountain spotted fever—Lassen		
Whooping cough		43	County		1
ARIZONA			Scarlet fever		109
Chicken pox		12	Smallpox:		
Diphtheria		5	Corning		9
Influenza		50	Long Beach		11
Measles		63	Los Angeles		42
Mumps		24	Los Angeles County		13
Scarlet fever		8	Oakland		19
Smallpox		3	San Diego		24
Tuberculosis		29	Scattering		51
Typhoid fever		2	Typhoid fever		11
Whooping cough		19	COLORADO		
ARKANSAS			(Exclusive of Denver)		
Chicken pox		22	Chicken pox		20
Diphtheria		1	Diphtheria		15
Influenza		121	Influenza		1
Malaria		65	Measles		5
Measles		29	Mumps		20
Mumps		59	Pneumonia		5
Pellagra		17	Scarlet fever		24
Scarlet fever		6	Septic sore throat		1
Smallpox		14	Trachoma		1
Trachoma		3	Tuberculosis		22
Tuberculosis		19	Typhoid fever		4
Typhoid fever		11	Whooping cough		8
Whooping cough		20			

CONNECTICUT		ILLINOIS—continued	
	Cases		Cases
Botulism	1	Scarlet fever:	
Cerebrospinal meningitis	1	Cook County	221
Chicken pox	51	Peoria County	11
Diphtheria	28	Stephenson County	10
German measles	28	Scattering	95
Influenza	11	Smallpox	43
Lethargic encephalitis	1	Tuberculosis	229
Measles	207	Typhoid fever	7
Mumps	29	Whooping cough	285
Pneumonia (all forms)	68		
Scarlet fever	107	INDIANA	
Septic sore throat	2	Anthrax—Henry County	1
Smallpox	2	Cerebrospinal meningitis	1
Tuberculosis (all forms)	39	Chicken pox	31
Typhoid fever	6	Diphtheria	13
Whooping cough	165	Influenza	138
		Measles	103
DELAWARE		Mumps	3
Chicken pox	3	Pneumonia	10
Diphtheria	2	Scarlet fever	166
Measles	9	Smallpox	53
Pneumonia		Tuberculosis	40
Mumps		Typhoid fever	9
Scarlet fever		Whooping cough	8
Tuberculosis	1		
Typhoid fever	1	IOWA	
Whooping cough	1	Diphtheria	15
		Scarlet fever	20
GEORGIA		Smallpox	15
Chicken pox	34		
Conjunctivitis (acute)	1	KANSAS	
Diphtheria	10	Chicken pox	60
Dysentery	50	Diphtheria	17
German measles	1	German measles	5
Hookworm disease	5	Influenza	6
Influenza	109	Measles	21
Malaria	64	Mumps	158
Measles	8	Pneumonia	21
Mumps	44	Rocky Mountain spotted fever	1
Pellagra	11	Scarlet fever	73
Pneumonia	34	Septic sore throat	1
Poliomyelitis	1	Smallpox	2
Scarlet fever	2	Tuberculosis	26
Septic sore throat	9	Typhoid fever	1
Smallpox	14	Whooping cough	30
Tuberculosis	9		
Typhoid fever	7	LOUISIANA	
Whooping cough	34	Dengue	7
		Diphtheria	12
ILLINOIS		Dysentery	6
Cerebrospinal meningitis:		Hookworm disease	80
Saline County	1	Influenza	97
Will County	1	Malaria	12
Diphtheria:		Pellagra	6
Cook County	72	Pneumonia	69
Scattering	19	Scarlet fever	18
Influenza	29	Smallpox	9
Lethargic encephalitis—Fulton County	1	Tuberculosis	47
Measles	1,505	Typhoid fever	33
Pneumonia	298	Whooping cough	16
Poliomyelitis:			
Coles County	1	MAINE	
Cook County	2	Chicken pox	37
Madison County	1	Diphtheria	3
		German measles	1
		Influenza	133

MAINE—continued

Cases

Measles	14
Mumps	137
Pneumonia	17
Scarlet fever	22
Tuberculosis	11
Typhoid fever	3

MARYLAND¹

Cerebrospinal meningitis	1
Chicken pox	93
Diphtheria	31
Dysentery	2
German measles	3
Influenza	49
Lethargic encephalitis	2
Malaria	2
Measles	44
Mumps	96
Ophthalmia neonatorum	2
Paratyphoid fever	1
Pneumonia (all forms)	96
Poliomyelitis	1
Scarlet fever	55
Septic sore throat	2
Smallpox	1
Tetanus	2
Tuberculosis	59
Typhoid fever	4
Vincent's angina	1
Whooping cough	108

MASSACHUSETTS

Cerebrospinal meningitis	6
Chicken pox	113
Conjunctivitis (suppurative)	10
Diphtheria	93
German measles	228
Hookworm disease	2
Influenza	20
Lethargic encephalitis	2
Malaria	2
Measles	1,070
Mumps	60
Ophthalmia neonatorum	28
Pneumonia (lobar)	197
Scarlet fever	266
Septic sore throat	5
Tetanus	1
Trachoma	2
Tuberculosis (all forms)	185
Typhoid fever	11
Whooping cough	64

MICHIGAN

Diphtheria	68
Measles	368
Pneumonia	132
Scarlet fever	323
Smallpox	15
Tuberculosis	366
Typhoid fever	11
Whooping cough	195

MINNESOTA

Chicken pox	86
Diphtheria	69
Influenza	3

MINNESOTA—continued

Cases

Measles	17
Pneumonia	6
Scarlet fever	201
Smallpox	14
Tuberculosis	65
Typhoid fever	3
Whooping cough	18

MISSISSIPPI

Diphtheria	5
Scarlet fever	6
Smallpox	21
Typhoid fever	7

MISSOURI

(Exclusive of Kansas City)	
Chicken pox	53
Diphtheria	61
Influenza	13
Measles	24
Mumps	75
Pneumonia	21
Scarlet fever	155
Smallpox	20
Trachoma	11
Tuberculosis	56
Typhoid fever	5
Whooping cough	20

MONTANA

Chicken pox	29
Diphtheria	9
German measles	44
Influenza	2
Measles	58
Mumps	47
Rocky Mountain spotted fever:	
Billings	1
Jordan	1
Miles City R. F. D.	1
Stevensville	1
Scarlet fever	40
Smallpox	5
Tuberculosis	14
Typhoid fever	3
Whooping cough	7

NEW JERSEY

Anthrax	1
Cerebrospinal meningitis	1
Chicken pox	170
Diphtheria	57
Influenza	15
Measles	376
Pneumonia	139
Scarlet fever	244
Smallpox	2
Trichinosis	1
Typhoid fever	4
Whooping cough	243

NEW MEXICO

Chicken pox	5
Conjunctivitis	9
Diphtheria	2
Influenza	1
Measles	18

NEW MEXICO—continued		SOUTH DAKOTA	
	Cases		Cases
Mumps	13	Chicken pox	4
Pneumonia	4	Diphtheria	6
Scarlet fever	5	Pneumonia	2
Smallpox	4	Scarlet fever	24
Tuberculosis	24	Smallpox	11
Typhoid fever	2	Tuberculosis	3
Whooping cough	13	Whooping cough	7
NEW YORK		TEXAS	
(Exclusive of New York City)			
Diphtheria	100	Chicken pox	52
Influenza	84	Diphtheria	19
Lethargic encephalitis	3	Dysentery (epidemic)	1
Measles	504	Influenza	18
Pneumonia	292	Lethargic encephalitis	1
Scarlet fever	308	Malaria fever	1
Typhoid fever	14	Measles	23
Whooping cough	195	Mumps	39
NORTH CAROLINA		Pellagra	4
Chicken pox	108	Pneumonia	11
Diphtheria	17	Poliomyelitis	1
German measles	7	Scarlet fever	16
Measles	22	Smallpox	24
Scarlet fever	27	Tuberculosis	15
Septic sore throat	2	Typhoid fever	12
Smallpox	107	Typhus fever	2
Typhoid fever	6	Whooping cough	27
Whooping cough	70	VERMONT	
OKLAHOMA		Chicken pox	18
(Exclusive of Oklahoma City and Tulsa)		Diphtheria	7
Anthrax—Muskogee County	1	Measles	5
Cerebrospinal meningitis—Woodward County	1	Mumps	42
Chicken pox	17	Scarlet fever	11
Diphtheria	4	Whooping cough	4
Influenza	85	VIRGINIA	
Measles	3	Smallpox:	
Mumps	23	Henry County	1
Pneumonia	23	Fauquier County	1
Scarlet fever:	9	Montgomery	1
Woodward County	9	WASHINGTON	
Scattering	15	Cerebrospinal meningitis—Spokane	1
Smallpox	13	Chicken pox	65
Typhoid fever	4	Diphtheria	29
Whooping cough	33	German measles	19
OREGON		Measles	4
Cerebrospinal meningitis	13	Mumps	87
Chicken pox	14	Scarlet fever	10
Diphtheria:		Smallpox	50
Portland	19	Tuberculosis	22
Scattering	9	Typhoid fever	1
Influenza	32	Whooping cough	140
Measles	2	WEST VIRGINIA	
Mumps	23	Diphtheria	8
Pneumonia	11	Scarlet fever	20
Scarlet fever:		Smallpox	16
Clackamas County	11	WISCONSIN	
Scattering	9	Milwaukee:	
Smallpox	3	Chicken pox	34
Typhoid fever	5	Diphtheria	9
Whooping cough	21	German measles	141

¹ Deaths.

WISCONSIN—continued		WISCONSIN—continued	
	Cases		Cases
Poliomyelitis	1	Smallpox	22
Scarlet fever	19	Tuberculosis	25
Smallpox	30	Typhoid fever	6
Tuberculosis	12	Whooping cough	74
Whooping cough	19		
Scattering:		WYOMING	
Cerebrospinal meningitis	3	Chicken pox	4
Chicken pox	85	Diphtheria	2
Diphtheria	21	Measles	5
German measles	247	Mumps	8
Influenza	331	Pneumonia	1
Measles	252	Rocky Mountain spotted fever	4
Mumps	199	Scarlet fever	3
Pneumonia	39	Whooping cough	8
Scarlet fever	94		

Reports for Week Ended April 25, 1925

DISTRICT OF COLUMBIA		NORTH DAKOTA	
	Cases		Cases
Chicken pox	16	Chicken pox	8
Diphtheria	8	Diphtheria	7
Influenza	2	German measles	11
Measles	51	Influenza	4
Pneumonia	37	Measles	7
Scarlet fever	25	Mumps	16
Smallpox	8	Pneumonia	8
Tuberculosis	49	Scarlet fever	25
Typhoid fever	2	Smallpox	12
Whooping cough	19	Tuberculosis	1
		Whooping cough	16

SUMMARY OF MONTHLY REPORTS FROM STATES

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week:

State	Cerebrospinal meningitis	Diphtheria	Influenza	Malaria	Measles	Pellagra	Poliomyelitis	Scarlet fever	Smallpox	Typhoid fever
<i>January, 1925</i>										
New Mexico	0	24	86	0	124	0	0	41	2	12
<i>February, 1925</i>										
New Mexico	0	29	116	0	65	1	0	18	1	5
Tennessee	5	78	1,576	75	231	47	1	188	485	47
<i>March, 1925</i>										
California	8	560	723	1	387	7	11	689	653	38
Montana		45	14		139			125	36	3
New Mexico	0	40	120	0	229	1	0	44	8	3
Pennsylvania	6	998		2	5,524	1	0	3,087	30	88
South Carolina	1	254	282	6	1	4		6	54	1
Washington	3	199	0	0	39	0	1	175	198	25

RECIPROCAL NOTIFICATIONS, MARCH, 1925

Notifications regarding communicable diseases sent during the month of March, 1925, to other State health departments by departments of health of certain States

Referred by—	Diph- theria	Leprosy	Scarlet fever	Smallpox	Tubercu- losis	Typhoid fever
Connecticut.....			9			
Illinois.....				3	12	
Massachusetts.....						2
Minnesota.....	1	1			70	1
New Jersey.....			1	3		
New York.....			1			
Washington.....						1

PLAQUE-ERADICATIVE MEASURES IN THE UNITED STATES

The following items were taken from the reports of plague-eradicative measures from the cities named for the week ended April 18, 1925:

Los Angeles, Calif.

Week ended Apr. 18, 1925:

Number of rats examined.....	4,367
Number of rats found to be plague infected.....	4
Number of squirrels examined.....	1,114
Number of squirrels found to be plague infected.....	0

Totals, Nov. 5, 1924, to Apr. 18, 1925:

Number of rats examined.....	85,971
Number of rats found to be plague infected.....	177
Number of squirrels examined.....	8,618
Number of squirrels found to be plague infected.....	9

Date of discovery of last plague-infected rodent, Apr. 28, 1925.

Date of last human case, Jan. 15, 1925.

Oakland, Calif.

(Including other East Bay communities)

Week ended Apr. 18, 1925:

Number of rats trapped.....	2,637
Number of rats found to be plague infected.....	0

Totals, Jan. 1 to Apr. 18, 1925:

Number of rats trapped.....	37,894
Number of rats found to be plague infected.....	21

Date of discovery of last plague-infected rat, Mar. 4, 1925.

Date of last human case, Sept. 10, 1919.

New Orleans, La.

Week ended Apr. 18, 1925:

Number of vessels inspected.....	372
Number of inspections made.....	1,026
Number of vessels fumigated with cyanide gas.....	33
Number of rodents examined for plague.....	4,665
Number of rodents found to be plague infected.....	0

Totals, Dec. 5, 1924, to Apr. 18, 1925:

Number of rodents examined for plague.....	80,238
Number of rodents found to be plague infected.....	12

Date of discovery of last plague-infected rat, Jan. 17, 1925.

Date of last human case occurring in New Orleans, Aug. 20, 1920.

GENERAL CURRENT SUMMARY AND WEEKLY REPORTS FROM CITIES

Diphtheria.—For the week ended April 18, 1925, 34 States reported 1,213 cases of diphtheria. For the week ended April 19, 1924, the same States reported 1,552 cases of this disease. One hundred and two cities, situated in all parts of the country and having an aggregate population of more than 28,200,000, reported 876 cases of diphtheria for the week ended April 18, 1925. Last year, for the corresponding week, they reported 984 cases. The estimated expectancy for these cities was 934 cases. The estimated expectancy is based on the experience of the last nine years, excluding epidemics.

Measles.—Twenty-nine States reported 4,584 cases of measles for the week ended April 18, 1925, and 13,896 cases of this disease for the week ended April 19, 1924. One hundred and two cities reported 3,236 cases of measles for the week this year and 5,055 cases last year.

Scarlet fever.—Scarlet fever was reported for the week as follows: 34 States—this year, 3,610 cases; last year, 3,372; 102 cities—this year, 1,882; last year, 1,588; estimated expectancy, 1,028 cases.

Smallpox.—For the week ended April 18, 1925, 34 States reported 686 cases of smallpox. Last year, for the corresponding week, they reported 1,419 cases of smallpox. One hundred and two cities reported smallpox for the week as follows: 1925, 267 cases; 1924, 465 cases; estimated expectancy, 96 cases. These cities reported 15 deaths from smallpox for the week this year.

Typhoid fever.—Two hundred and two cases of typhoid fever were reported for the week ended April 18, 1925, by 33 States. For the corresponding week of 1924 the same States reported 173 cases. One hundred and two cities reported 55 cases of typhoid fever for the week this year and 54 cases for the corresponding week last year. The estimated expectancy for these cities was 48 cases.

Influenza and pneumonia.—Deaths from influenza and pneumonia (combined) were reported for the week by 102 cities as follows: 1925, 1,173 deaths; 1924, 1,154 deaths.

City reports for week ended April 18, 1925

The "estimated expectancy" given for diphtheria, poliomyelitis, scarlet fever, smallpox, and typhoid fever is the result of an attempt to ascertain from previous occurrence how many cases of the disease under consideration may be expected to occur during a certain week in the absence of epidemics. It is based on reports to the Public Health Service during the past nine years. It is in most instances the median number of cases reported in the corresponding week of the preceding years. When the reports include several epidemics or when for other reasons the median is unsatisfactory, the epidemic periods are excluded and the estimated expectancy is the mean number of cases reported for the week during nonepidemic years.

If reports have not been received for the full nine years, data are used for as many years as possible, but no year earlier than 1915 is included. In obtaining the estimated expectancy, the figures are smoothed when necessary to avoid abrupt deviations from the usual trend. For some of the diseases given in the table the available data were not sufficient to make it practicable to compute the estimated expectancy.

Division, State, and city	Population July 1, 1923, estimated	Chick-en pox, cases reported	Diphtheria		Influenza		Measles, cases reported	Mumps, cases reported	Pneu-monia, deaths reported
			Cases, estimated expectancy	Cases reported	Cases reported	Deaths reported			
NEW ENGLAND									
Maine:									
Portland	73,120	8	1	0	0	0	1	33	3
New Hampshire:									
Concord	22,408	0	0	2	0	0	0	0	0
Manchester	81,383	0	2	0	0	1	1	0	2
Vermont:									
Burlington	10,008	2	0	1	0	0	2	5	0
Burlington	23,613	3	1	0	0	0	12	18	1
Massachusetts:									
Boston	770,400	57	26	7	2	277			34
Fall River	120,912	9	3	0	3	2	1	0	3
Springfield	144,227	4	4	2	0	0	5	3	3
Worcester	191,927	14	5	2	1	0	2	2	8
Rhode Island:									
Pawtucket	68,799	3	2	0	0	0	0	0	1
Providence	242,378	0	11	8	4	2	3	0	11
Connecticut:									
Bridgeport	143,555	0	6	6		2	0	0	6
Hartford	138,036	0	7	5		3	1	2	7
New Haven	172,967	9	4	0	1	0	77	1	7
MIDDLE ATLANTIC									
New York:									
Buffalo	536,718	5	11	8	5	1	208	6	17
New York	5,927,625	191	244	265	59	29	155	26	245
Rochester	317,867	0	5	9		1	35	19	6
Syracuse	184,511	12	6	8	0	0	16	8	4
New Jersey:									
Camden	124,157	3	4	7	0	0	83	1	5
Newark	438,699	27	17	12	22	1	55	15	20
Trenton	127,390	2	4	0	0	0	10	0	2
Pennsylvania:									
Philadelphia	1,922,788	66	71	126		8	478	34	53
Pittsburgh	613,442	27	18	11		8	425	12	51
Reading	110,917	12	3	4	0	0	145	4	0
Scranton	140,636	2	3	3	0	0	0	0	13
EAST NORTH CENTRAL									
Ohio:									
Cincinnati	406,312	8	8	8		11	0	4	29
Cleveland	888,519	65	22	23	12	2	7	7	23
Columbus	261,082	3	4	2	0	0	2	2	3
Toledo	268,338	12	3	4		5	96	0	9
Indiana:									
Fort Wayne	93,573	8	2	0	0	0	8	0	4
Indianapolis	342,718	13	7	0		1	2	12	10
South Bend	76,709	2	1	2	0	0	1	0	1
Terre Haute	68,939	1	1	1	0	0	6	0	1
Illinois:									
Chicago	2,886,121	56	98	64	36	11	623	13	92
Cicero	55,968	3							
Springfield	61,833	8	1	0	4	2	3	41	4

¹ Population Jan. 1, 1920.

City reports for week ended April 18, 1925—Continued

Division, State, and city	Population July 1, 1923, estimated	Chick-en pox, cases reported	Diphtheria		Influenza		Meas-les, cases re-ported	Mump-s, cases re-ported	Pneu-monia, deaths re-ported
			Cases esti-mated expec-tancy	Cases re-ported	Cases re-ported	Deaths re-ported			
			Cases esti-mated expec-tancy	Cases re-ported	Cases re-ported	Deaths re-ported			
EAST NORTH CENTRAL —continued.									
Michigan:									
Detroit	995,668	37	52	22	11	4	11	15	38
Flint	117,968	7	3	2	0	1	10	1	6
Grand Rapids	145,947	5	4	0	0	0	55	0	0
Wisconsin:									
Madison	42,519	5	0	0	0	0	3	33	0
Milwaukee	484,595	31	13	19	3	0	202	59	40
Racine	64,393	18	1	5	0	0	45	9	1
Superior	139,671	0	1	0	0	1	0	0	4
WEST NORTH CENTRAL									
Minnesota:									
Duluth	106,289	1	1	0	0	0	0	0	7
Minneapolis	409,125	67	14	21	8	17	7	17	13
St. Paul	241,891	6	13	6	6	9	17	17	15
Iowa:									
Davenport	61,262	0	1	0	0	2	0	0	—
Sioux City	79,662	4	1	2	0	1	35	—	—
Waterloo	39,667	16	0	0	0	1	—	—	—
Missouri:									
Kansas City	351,819	14	7	8	5	5	3	13	19
St. Joseph	78,222	1	2	0	3	0	0	1	3
St. Louis	803,853	32	38	36	0	0	9	16	—
North Dakota:									
Fargo	24,841	3	0	0	0	0	1	8	0
Grand Forks	14,547	2	0	1	0	0	0	0	—
South Dakota:									
Aberdeen	15,829	2	0	0	0	0	0	0	—
Sioux Falls	29,206	0	0	0	0	0	0	0	0
Nebraska:									
Lincoln	58,761	10	2	1	0	0	1	1	1
Omaha	204,382	0	4	2	0	0	2	0	14
Kansas:									
Topeka	52,555	3	1	2	2	1	0	62	4
Wichita	79,261	18	1	3	0	0	1	0	3
SOUTH ATLANTIC									
Delaware:									
Wilmington	117,728	3	2	2	0	0	13	0	5
Maryland:									
Baltimore	773,580	73	23	35	28	0	4	42	46
Cumberland	32,361	—	1	0	3	0	0	—	2
Frederick	11,301	0	0	0	0	0	0	0	1
District of Columbia:									
Washington	1437,571	22	10	5	1	2	47	—	19
Virginia:									
Lynchburg	30,277	4	1	0	0	0	1	25	1
Norfolk	159,089	10	1	0	0	0	4	60	4
Richmond	181,044	7	2	3	0	0	1	5	0
Roanoke	55,502	3	1	1	0	0	5	2	2
West Virginia:									
Charleston	45,507	6	0	0	0	0	31	1	2
Wheeling	156,208	4	1	0	0	1	16	0	3
North Carolina:									
Raleigh	29,171	7	0	0	0	0	0	0	2
Wilmington	35,719	3	1	0	0	0	0	1	0
Winston-Salem	56,230	15	1	0	—	1	4	8	3
South Carolina:									
Charleston	71,245	0	1	0	0	0	0	0	2
Columbia	39,688	1	0	0	0	0	0	3	4
Greenville	25,789	0	0	0	0	0	0	0	1
Georgia:									
Atlanta	222,963	3	2	4	8	0	0	0	13
Brunswick	15,937	—	0	0	0	0	0	—	0
Savannah	89,448	2	0	0	4	1	0	13	1
Florida:									
St. Petersburg	24,403	0	0	0	0	1	0	0	1
Tampa	56,050	1	1	0	0	0	0	1	2

¹ Population Jan. 1, 1920.

City reports for week ended April 18, 1925—Continued

Division, State, and city	Population July 1, 1923, estimated	Chick-en pox, cases reported	Diphtheria		Influenza		Measles, cases reported	Mumps, cases reported	Pneumonia, deaths reported
			Cases, estimated expectancy	Cases reported	Cases reported	Deaths reported			
EAST SOUTH CENTRAL									
Kentucky:									
Covington	57,877	0	2	1	2	0	0	0	3
Lexington	43,673	1	0	0	0	0	0	0	2
Louisville	257,671	3	5	3	2	1	3	0	8
Tennessee:									
Memphis	170,067	4	1	1	5	1	1	1	7
Nashville	121,128	4	1	0	5	11	1	1	1
Alabama:									
Birmingham	105,901	13	1	2	13	1	2	6	17
Mobile	63,858	3	1	1	0	0	0	0	0
Montgomery	45,383	6	0	0	0	0	0	12	0
WEST SOUTH CENTRAL									
Arkansas:									
Fort Smith	30,635	0	0	1	0	0	0	2	—
Little Rock	70,916	0	0	2	5	10	0	0	—
Louisiana:									
New Orleans	404,575	5	8	7	10	2	0	0	—
Shreveport	54,590	5	—	0	0	0	0	0	6
Oklahoma:									
Tulsa	102,018	—	1	1	0	3	—	—	—
Texas:									
Dallas	177,274	—	3	—	2	—	—	8	—
Galveston	46,877	2	0	0	0	0	0	2	3
Houston	154,970	3	2	2	0	0	0	1	0
San Antonio	184,727	1	2	0	0	1	0	0	2
MOUNTAIN									
Montana:									
Billings	16,927	0	0	1	0	0	2	14	1
Great Falls	27,787	1	1	4	—	1	14	1	0
Helena	112,037	0	0	0	0	0	0	0	0
Missoula	112,668	0	0	0	0	0	5	0	1
Idaho:									
Boise	22,806	2	0	1	0	0	1	0	0
Colorado:									
Denver	272,031	22	10	12	—	3	6	72	15
Pueblo	43,519	3	2	3	0	0	0	3	2
New Mexico:									
Albuquerque	16,648	1	1	0	0	0	1	0	1
Utah:									
Salt Lake City	126,241	0	3	4	0	0	0	27	2
Nevada:									
Reno	12,429	0	1	0	0	0	0	0	1
PACIFIC									
Washington:									
Seattle	1315,685	43	5	8	0	—	1	61	—
Spokane	104,573	3	2	3	0	—	0	0	—
Tacoma	101,731	4	1	2	0	—	0	1	—
Oregon:									
Portland	273,621	10	4	11	26	0	4	14	10
California:									
Los Angeles	666,853	50	35	24	22	2	39	20	15
Sacramento	69,950	0	1	2	—	1	0	1	0
San Francisco	539,038	39	24	19	8	4	13	16	9

¹ Population Jan. 1, 1920.

City reports for week ended April 18, 1925—Continued

Division, State, and city	Scarlet fever		Smallpox			Tuber-cu-losis, deaths re-ported	Typhoid fever			Whoop-ing cough, cases re-ported	Deaths, all causes
	Cases, es-ti-mated ex-pectancy	Cases re-ported	Cases, es-ti-mated ex-pectancy	Cases re-ported	Deaths re-ported		Cases, es-ti-mated ex-pectancy	Cases re-ported	Deaths re-ported		
NEW ENGLAND											
Maine:											
Portland	2	4	0	0	0	1	1	0	0	0	24
New Hampshire:											
Concord	1	2	0	0	0	1	0	0	0	0	13
Manchester	2	6	0	0	0	0	0	0	1	0	18
Vermont:											
Barre	1	0	0	0	0	1	0	0	0	0	2
Burlington	1	0	0	0	0	0	0	0	0	1	1
Massachusetts:											
Boston	59	70	0	0	0	17	2	1	0	-----	246
Fall River	4	1	0	0	0	0	1	1	0	0	43
Springfield	6	12	0	0	0	1	0	0	0	5	46
Worcester	8	11	0	0	0	4	1	1	1	4	64
Rhode Island:											
Pawtucket	1	1	0	0	0	0	0	0	0	2	24
Providence	9	12	0	0	0	5	0	0	0	1	80
Connecticut:											
Bridgeport	5	7	0	0	0	1	0	0	0	0	34
Hartford	4	4	0	0	0	2	0	0	0	10	58
New Haven	8	17	0	0	0	1	0	0	0	19	42
MIDDLE ATLANTIC											
New York:											
Buffalo	10	20	0	0	0	15	1	0	0	11	162
New York	218	300	0	0	0	101	10	16	2	112	1,628
Rochester	14	50	0	0	0	6	1	0	0	8	84
Syracuse	13	4	0	0	0	4	0	1	0	0	47
New Jersey:											
Camden	3	22	0	11	4	1	0	0	0	3	48
Newark	24	35	0	2	0	9	1	0	0	64	125
Trenton	3	2	0	0	0	5	0	1	0	4	33
Pennsylvania:											
Philadelphia	71	170	0	22	3	48	3	4	1	94	553
Pittsburgh	18	67	1	0	0	12	1	0	0	6	204
Reading	4	7	0	0	0	1	0	0	0	11	28
Scranton	2	1	0	0	0	2	0	0	0	3	-----
EAST NORTH CENTRAL											
Ohio:											
Cincinnati	11	29	2	1	0	9	1	0	0	5	135
Cleveland	24	33	1	0	0	18	1	1	0	40	198
Columbus	6	17	1	6	0	5	0	0	0	10	64
Toledo	15	17	3	0	0	5	0	0	0	28	80
Indiana:											
Fort Wayne	2	17	2	1	0	4	0	0	0	1	41
Indianapolis	13	10	3	8	0	6	0	0	0	14	98
South Bend	3	4	0	0	0	0	0	0	0	2	13
Terre Haute	2	4	1	1	0	2	0	0	0	1	22
Illinois:											
Chicago	77	228	2	0	0	55	2	3	0	98	745
Clerco	1	0	1	0	0	0	0	0	0	0	20
Springfield	1	0	1	0	0	0	0	0	0	0	-----
Michigan:											
Detroit	77	112	5	0	0	25	3	2	0	79	273
Flint	6	3	1	2	0	1	0	0	0	7	29
Grand Rapids	7	47	1	3	0	1	0	0	0	4	34
Wisconsin:											
Madison	3	7	1	1	0	0	0	0	0	4	5
Milwaukee	30	22	1	10	3	11	1	0	0	17	166
Racine	4	3	1	3	0	0	0	0	0	1	14
Superior	2	4	2	0	0	1	0	0	0	0	13
WEST NORTH CENTRAL											
Minnesota:											
Duluth	4	20	2	0	0	1	0	0	0	3	26
Minneapolis	26	73	8	12	3	5	0	0	0	4	121
St. Paul	21	36	6	2	0	2	0	0	0	4	70

¹ Pulmonary tuberculosis only.

City reports for week ended April 18, 1925—Continued

Division, State, and city	Scarlet fever		Smallpox			Tuber- culosis deaths re- ported	Typhoid fever			Whoop- ing cough, cases re- ported	Deaths, all causes
	Cases, esti- mated expect- ancy	Cases re- ported	Cases, esti- mated expect- ancy	Cases re- ported	Deaths re- ported		Cases, esti- mated expect- ancy	Cases re- ported	Deaths re- ported		
WEST NORTH CENTRAL—CON.											
Iowa:											
Davenport	2	1	4	1			0	0		2	
Sioux City	2	2	1	0			0	0		0	
Waterloo	2	0	0	1			1	0			
Missouri:											
Kansas City	11	75	3	1	0	7	1	1	0	6	81
St. Joseph	2	3	0	0	0	2	0	0	0	0	32
St. Louis	34	98	2	6	0	9	1	0	0	12	222
North Dakota:											
Fargo	1	0	1	0	0	0	0	0	0	8	7
Grand Forks	0	0	0	0			0	0		0	
South Dakota:											
Aberdeen		2		0				0		1	
Sioux Falls	2	1	1	0	0	0	0	0	0	0	15
Nebraska:											
Lincoln	3	3	0	2	0	0	0	0	0	6	14
Omaha	4	3	2	19	0	4	0	0	0	3	66
Kansas:											
Topeka	3	1	2	0	0	3	0	0	0	1	13
Wichita	3	2	4	0	0	2	0	0	0	15	24
SOUTH ATLANTIC											
Delaware:											
Wilmington	3	1	0	0	0	1	0	0	0	2	30
Maryland:											
Baltimore	31	35	1	1	0	13	2	0	0	53	246
Cumberland	1	0	0	0	0	2	0	0	0	0	20
Frederick	2	2	0	0	0	0	0	0	0	0	4
District of Columbia:											
Washington	19	30	1	6	2	17	1	0	0	8	159
Virginia:											
Lynchburg	0	0	0	0	0	1	0	0	0	5	6
Norfolk	1	0	0	0	0	0	0	0	0	20	
Richmond	2	1	0	0	0	7	0	0	0	1	59
Roanoke	1	2	1	0	0	0	0	0	0	0	18
West Virginia:											
Charleston	1	0	0	0	0	2	0	0	0	2	12
Wheeling	2	4	0	0	0	1	1	2	0	1	24
North Carolina:											
Raleigh	0	1	0	8	0	0	0	0	0	0	11
Wilmington	0	0	0	0	0	1	0	0	0	1	11
Winston-Salem	1	1	2	7	0	1	0	0	0	5	23
South Carolina:											
Charleston	0	1	0	0	0	3	0	0	0	1	36
Columbia	0	0	0	0	0	1	0	1	0	6	20
Greenville	0	0	0	3	0	1	0	0	0	4	9
Georgia:											
Atlanta	3	4	4	1	0	5	0	0	1	4	82
Brunswick	0	0	0	0	0	1	0	1	0	0	3
Savannah	1	0	0	0	0	1	0	0	0	5	24
Florida:											
St. Petersburg	3	0	1	0	0	0	0	0	0	0	12
Tampa	0	0	0	0	0	0	0	2	1	0	24
EAST SOUTH CENTRAL											
Kentucky:											
Covington	2	2	1	0	0	5	1	0	0	0	19
Lexington	1	2	0	1	0	2	0	0	0	0	16
Louisville	4	15	0	2	0	5	1	1	0	9	86
Tennessee:											
Memphis	4	7	2	6	0	10	0	1	0	0	68
Nashville	2	5	1	10	0	5	1	2	0	0	37
Alabama:											
Birmingham	1	11	0	51	0	6	1	0	0	1	70
Mobile	0	0	1	0	0	0	0	1	0	0	9
Montgomery	0	0	1	0	0	0	0	1	0	0	9

City reports for week ended April 18, 1925—Continued

Division, State, and city	Scarlet fever		Smallpox			Tuberculosis, deaths reported	Typhoid fever			Whooping cough, cases reported	Deaths, all causes
	Cases, estimated expectancy	Cases reported	Cases, estimated expectancy	Cases reported	Deaths reported		Cases, estimated expectancy	Cases reported	Deaths reported		
WEST SOUTH CENTRAL											
Arkansas:											
Fort Smith	0	2	0	0			0	0		1	
Little Rock	1	2	0	0			1	0		0	
Louisiana:											
New Orleans	3	6	4	0			2	4		19	
Shreveport		0		0	1			0	0	0	35
Oklahoma:											
Tulsa	1	2	2	0			0	1			
Texas:											
Dallas	2		2		0	3	1		0		54
Galveston	0	1	0	1	0	1	0	0	0	0	14
Houston	1	0	0	2	0	1	0	3	1	2	43
San Antonio	1	0	0	0	0	12	0	0	0	0	63
MOUNTAIN											
Montana:											
Billings	0	4	0	0	0	0	0	0	0	0	0
Great Falls	1	10	0	0	0	0	0	0	0	0	6
Helena	1	0	1	0	0	0	0	0	0	0	3
Missoula	0	1	1	0	0	0	0	0	0	4	10
Idaho:											
Boise	1	0	0	0	0	0	0	0	0	0	5
Colorado:											
Denver	10	11	3	0	0	16	1	1	0	7	90
Pueblo	1	2	0	0	0	1	1	1	0	0	10
New Mexico:											
Albuquerque	0	0	0	0	0	5	0	0	0	0	10
Utah:											
Salt Lake City	3	5	1	0	0	2	0	2	0	4	34
Nevada:											
Reno	0	0	1	1	0	0	0	0	0	0	3
PACIFIC											
Washington:											
Seattle	8	5	2	13			1	0		91	
Spokane	4	2	8	0			0	0		22	
Tacoma	2	0	1	1			0	0		3	
Oregon:											
Portland	7	13	5	0	0	4	1	1	0	12	
California:											
Los Angeles	15	29	2	34	0	16	1	2	0	61	223
Sacramento	1	0	0	2	0	6	0	0	0	0	24
San Francisco	16	14	2	6	0	10	2	2	1	66	171

City reports for week ended April 18, 1925—Continued

Division, State, and city	Cerebrospinal meningitis		Lethargic encephalitis		Pellagra		Poliomyelitis (infantile paralysis)		
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases, estimated expectancy	Cases	Deaths
NEW ENGLAND									
Massachusetts:									
Boston.....	4	2	0	0	0	0	0	1	0
Fall River.....	0	0	1	0	0	0	0	0	0
Worcester.....	0	1	0	0	0	0	0	0	0
MIDDLE ATLANTIC									
New York:									
New York.....	1	2	9	6	0	0	1	0	0
Pennsylvania:									
Philadelphia.....	0	1	2	0	0	0	1	0	0
Pittsburgh.....	0	0	0	0	0	0	0	0	1
EAST NORTH CENTRAL									
Illinois:									
Chicago.....	0	0	1	0	0	1	1	0	0
Michigan:									
Detroit.....	0	0	1	0	0	0	0	1	0
Wisconsin:									
Milwaukee.....	0	0	0	0	0	0	0	0	1
WEST NORTH CENTRAL									
Minnesota:									
Minneapolis.....	0	0	1	1	0	0	0		0
Missouri:									
St. Louis.....	0	0	0	0	0	0	0	0	1
MIDDLE ATLANTIC									
Maryland:									
Baltimore.....	0	0	0	0	0	0	0	1	1
District of Columbia:									
Washington.....	0	0	0	0	0	0	0	0	1
North Carolina:									
Raleigh.....	0	0	0	0	0	1	0	0	0
South Carolina:									
Charleston.....	0	0	0	0	0	1	0	0	0
Georgia:									
Savannah.....	0	0	0	0	1	0	0	0	0
EAST SOUTH CENTRAL									
Kentucky:									
Louisville.....	0	1	0	0	0	0	0	0	0
Alabama:									
Mobile.....	0	0	0	0	2	0	0	0	0
Montgomery.....	0	0	0	0	1	0	0	0	0
WEST SOUTH CENTRAL									
Louisiana:									
New Orleans.....	0	0	0	0	4	0	0	0	0
Shreveport.....	0	0	0	0	0	1	0	0	0
Texas:									
Galveston.....	0	0	0	0	0	0	0	0	1
PACIFIC									
Washington:									
Spokane.....	3	0	0	0	0	0	0	0	0
Oregon:									
Portland.....	3	0	0	0	0	0	0	0	0
California:									
Los Angeles.....	2	0	0	1	0	0	0	0	0

The following table gives the rates per hundred thousand population for 105 cities for the 10-week period ended April 18, 1925. The population figures used in computing the rates were estimated as of July 1, 1923, as this is the latest date for which estimates are available. The 105 cities reporting cases had an estimated aggregate population of nearly 29,000,000 and the 97 cities reporting deaths had more than 28,000,000 population. The number of cities included in each group and the aggregate populations are shown in a separate table below:

Summary of weekly reports from cities, February 8 to April 18, 1925—Annual rates per 100,000 population¹

DIPHTHERIA CASE RATES

	Week ended—									
	Feb. 14	Feb. 21	Feb. 28	Mar. 7	Mar. 14	Mar. 21	Mar. 28	Apr. 4	Apr. 11	Apr. 18
105 cities.....	² 168	149	³ 169	162	167	167	⁴ 168	177	⁵ 158	⁶ 161
New England.....	246	241	⁷ 189	233	176	147	119	171	166	129
Middle Atlantic.....	165	163	178	167	214	196	231	241	220	228
East North Central.....	132	123	119	114	128	134	112	93	⁸ 97	⁹ 111
West North Central.....	259	209	299	282	201	169	247	229	226	168
South Atlantic.....	² 183	156	114	104	91	136	95	81	73	102
East South Central.....	62	80	51	63	40	69	57	23	34	46
West South Central.....	162	125	162	144	158	97	121	83	107	⁷ 66
Mountain.....	95	162	153	86	105	143	134	124	105	239
Pacific.....	180	165	258	235	197	249	⁴ 179	374	171	168

MEASLES CASE RATES

105 cities.....	² 297	383	³ 358	418	449	506	⁴ 507	558	⁵ 530	⁶ 589
New England.....	661	720	⁷ 585	656	542	725	755	957	1,011	917
Middle Atlantic.....	287	373	343	428	518	598	633	734	680	815
East North Central.....	515	688	632	789	740	775	798	736	⁸ 709	⁹ 731
West North Central.....	31	27	73	68	75	93	89	77	58	91
South Atlantic.....	² 98	110	81	100	146	189	136	209	207	256
East South Central.....	74	51	46	86	11	69	34	69	34	97
West South Central.....	51	14	51	23	88	42	9	88	51	⁷ 72
Mountain.....	153	620	916	29	763	573	38	219	57	267
Pacific.....	29	61	61	107	110	189	⁴ 151	209	241	154

SCARLET FEVER CASE RATES

105 cities.....	² 400	390	³ 408	395	432	427	⁴ 419	409	⁵ 366	⁶ 343
New England.....	564	606	⁷ 558	584	534	544	604	534	529	350
Middle Atlantic.....	407	376	412	372	439	417	405	436	359	343
East North Central.....	397	432	434	433	407	498	483	442	⁸ 419	⁹ 404
West North Central.....	728	742	734	775	719	792	755	736	647	651
South Atlantic.....	² 277	167	203	171	219	146	167	175	152	157
East South Central.....	212	223	183	194	355	286	286	263	280	⁷ 59
West South Central.....	121	125	144	185	107	134	102	51	88	⁷ 41
Mountain.....	382	248	315	286	200	429	248	277	258	315
Pacific.....	177	186	223	218	229	218	⁴ 222	191	174	145

¹ The figures given in this table are rates per 100,000 population, annual basis, and not the number of cases reported. Populations used are estimated as of July 1, 1923.

² Wilmington, Del., not included. Report not received at time of going to press.

³ Hartford, Conn., not included.

⁴ Spokane, Wash., not included.

⁵ Cicero, Ill., not included.

⁶ Cleero, Ill., and Dallas, Tex., not included.

⁷ Dallas, Tex., not included.

Summary of weekly reports from cities, February 8 to April 18, 1925—Annual rates per 100,000 population—Continued

SMALLPOX CASE RATES

	Week ended—									
	Feb. 14	Feb. 21	Feb. 28	Mar. 7	Mar. 14	Mar. 21	Mar. 28	Apr. 4	Apr. 11	Apr. 18
105 cities.....	179	66	166	62	61	63	158	57	51	49
New England.....	0	0	0	0	0	0	0	12	2	0
Middle Atlantic.....	4	2	3	1	5	8	7	21	10	18
East North Central.....	35	56	28	42	39	32	33	24	22	27
West North Central.....	193	126	120	114	124	102	135	87	97	85
South Atlantic.....	198	67	43	51	59	57	67	49	43	53
East South Central.....	675	532	583	652	446	646	423	42	572	396
West South Central.....	139	83	116	74	74	107	107	46	51	17
Mountain.....	162	86	57	48	95	67	19	19	19	10
Pacific.....	220	215	313	206	247	212	191	255	148	162

TYPHOID FEVER CASE RATES

105 cities.....	13	11	14	11	10	12	11	9	10	11
New England.....	20	0	13	7	5	30	12	5	2	7
Middle Atlantic.....	6	10	8	10	5	8	7	4	9	11
East North Central.....	6	6	7	11	4	7	3	4	6	5
West North Central.....	10	4	17	6	10	8	6	2	2	2
South Atlantic.....	34	8	20	8	24	22	12	30	26	12
East South Central.....	40	34	34	34	34	46	57	17	17	34
West South Central.....	46	42	42	28	28	23	42	32	37	39
Mountain.....	19	38	76	10	19	0	0	0	19	38
Pacific.....	12	23	9	15	15	0	28	20	9	12

INFLUENZA DEATH RATES

105 cities.....	28	30	34	30	34	42	33	34	27	28
New England.....	27	17	40	17	35	30	30	35	32	27
Middle Atlantic.....	22	21	20	15	24	29	22	21	16	24
East North Central.....	17	18	24	27	33	49	40	38	27	25
West North Central.....	11	22	37	35	33	42	46	39	37	50
South Atlantic.....	55	55	49	53	53	53	12	28	26	12
East South Central.....	63	74	126	103	91	120	86	69	74	80
West South Central.....	122	153	148	143	107	76	36	36	46	17
Mountain.....	57	57	19	19	48	48	38	181	86	38
Pacific.....	4	12	29	29	16	12	53	29	12	29

PNEUMONIA DEATH RATES

105 Cities.....	222	216	201	205	222	217	206	204	202	195
New England.....	239	241	242	226	229	211	219	251	211	206
Middle Atlantic.....	231	216	185	210	214	217	199	215	190	204
East North Central.....	168	184	171	195	241	222	214	182	191	191
West North Central.....	131	131	166	140	175	173	166	193	228	171
South Atlantic.....	270	252	305	268	246	290	252	234	238	232
East South Central.....	320	320	292	269	366	286	269	260	343	206
West South Central.....	464	408	260	229	178	178	168	168	168	160
Mountain.....	277	219	267	162	210	172	200	162	267	210
Pacific.....	192	213	163	139	155	131	159	159	119	98

² Wilmington, Del., not included. Report not received at time of going to press.

³ Hartford, Conn., not included.

⁴ Spokane, Wash., not included.

⁵ Cicer, Ill., not included.

⁶ Cicer, Ill., and Dallas, Tex., not included.

⁷ Dallas, Tex., not included.

⁸ Cicer, Ill., and New Orleans, La., not included.

⁹ New Orleans, La., not included.

Number of cities included in summary of weekly reports and aggregate population of cities in each group, estimated as of July 1, 1923

Group of cities	Number of cities reporting cases	Number of cities reporting deaths	Aggregate population of cities reporting cases	Aggregate population of cities reporting deaths
Total.....	105	97	28,898,350	28,140,934
New England.....	12	12	2,098,746	2,098,746
Middle Atlantic.....	10	10	10,304,114	10,304,114
East North Central.....	17	17	7,032,535	7,032,535
West North Central.....	14	11	2,515,330	2,381,454
South Atlantic.....	22	22	2,566,901	2,566,901
East South Central.....	7	7	911,885	911,885
West South Central.....	8	6	1,124,564	1,023,013
Mountain.....	9	9	546,445	546,445
Pacific.....	6	3	1,797,830	1,275,841

FOREIGN AND INSULAR

BRAZIL

Mortality—Plague—Santos—1924.—During the year 1924, there were reported at Santos, Brazil, 2,368 deaths from all causes. Causes of deaths were stated as follows:

Disease	Deaths	Disease	Deaths
Cerebrospinal meningitis.....	8	Plague.....	2
Diphtheria.....	3	Smallpox.....	1
Dysentery.....	55	Syphilis.....	31
Influenza.....	54	Tuberculosis (pulmonary).....	271
Lethargic encephalitis.....	2	Typhoid fever.....	2
Malaria.....	98	Whooping cough.....	38
Measles.....	28		

EGYPT

Plague—Province of Minieh—Suez—April 1-2, 1925.—Plague has been reported in Egypt as follows: April 1, 1925—in the province of Minieh, one case; at Suez, April 2, 1925—one case with one death. The total number of cases of plague reported in Egypt from January 1 to April 2, 1925, is 17, with 9 deaths.

MADAGASCAR

Plague—February 16-28, 1925.—During the period February 16 to 28, 1925, 133 cases of plague, with 104 deaths, were reported in the Island of Madagascar. The types of the disease were stated to have been bubonic, pneumonic, and septicemic, viz, bubonic, 86 cases, 61 deaths; pneumonic, 10 cases, 6 deaths; septicemic, 37 cases, 37 deaths. For distribution according to locality, see page 973.

MEXICO

Epidemic cerebrospinal meningitis—State of Morelos, Mexico—April 1-18, 1925.—During the period April 1 to 18, 1925, cerebrospinal meningitis was reported present in epidemic form in the State of Morelos, Mexico, with 53 cases occurring in seven localities. The greatest number of cases (8) was reported on April 13.

POLAND

Typhus fever—January 4—February 7, 1925.—During the period January 4 to February 7, 1925, 581 cases of typhus fever with 49 deaths were reported in Poland.

SAMOA

Leprosy—Apia.—Under date of March 21, 1925, two new cases of leprosy were reported present at Apia, western Samoa.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER

The reports contained in the following tables must not be considered as complete or final as regards either the lists of countries included or the figures for the particular countries for which reports are given.

Reports Received During Week Ended May 8, 1925¹

CHOLERA

Place	Date	Cases	Deaths	Remarks
India:				
Calcutta	Mar. 8-14	18	14	
Rangoon	Mar. 1-14	2	1	
Siam:				
Bangkok	do	2	1	

PLAQUE

Brazil:				
Bahia	Mar. 15-21	1		
Santos				Year, 1924: Cases, 2; bubonic.
Ceylon:				
Colombo	Mar. 8-21	5	3	Mar. 20-Apr. 1, 1925: One case. Total, Jan. 1-Apr. 1, 1925: Cases, 17; deaths, 9. Corresponding period, 1924: Cases, 50.
Egypt				
City—				
Suez	Apr. 2	1	1	Date of last case: Apr. 2.
Province—				
Beni-Suuf	Jan. 18	1	1	Date of last case: Jan. 18.
Dakhla	Jan. 7	1	1	Date of last case: Jan. 7.
Girgeh	Jan. 9	1	1	Date of last case: Jan. 9.
Kaloubiah	Jan. 5-22	5	2	Date of last case: Jan. 22.
Menoufieh	Jan. 1	7	3	Date of last case: Jan. 3.
Minieh	Apr. 1	1		Date of last case: Apr. 1.
India:				
Bombay	Mar. 1-14	20	16	
Rangoon	do	42	40	
Java:				
East Java—				
Soerabaya	Feb. 22-28	1	1	
West Java—				
Cheribon	Feb. 5-11		13	
Pekalongan	do		36	
Tegal	do		7	
Madagascar				Feb. 16-28, 1925: Cases, 133; deaths, 104. Bubonic, pneumonie, septicemic.
Itasy (Province)	Feb. 16-28	2	2	Septicemic.
Moramanga (Province)	do	1	1	Bubonic.
Tananaive (Province)	do	130	101	
Tananaive (town)	do	1	1	Interior. Bubonic.
Other localities	do	129	100	
Siam:				
Bangkok	Mar. 1-7	1	1	
Straits Settlements:				
Singapore	Mar. 8-14	3	5	
Union of South Africa				Mar. 8-14, 1925: Cases, 3; deaths, 2. Native.
Bethlehem District	Mar. 8-14	1	1	
Boshof District	do	1	1	
Kroonstad District	do	1		

¹ From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

Reports Received During Week Ended May 8, 1925—Continued

SMALLPOX

Place	Date	Cases	Deaths	Remarks
British South Africa:				
Southern Rhodesia.....	Mar. 12-18.....	1.....		
Canada:				
British Columbia—				
Vancouver.....	Apr. 6-12.....	3.....		
Victoria.....	Apr. 12-18.....	3.....		
Ceylon:				
Colombo.....	Mar. 8-21.....	10.....		Port cases.
China:				
Amoy.....	Mar. 8-28.....		7.....	
Antung.....	Mar. 9-29.....	5.....		Stated prevalent in surrounding districts.
Foochow.....	Mar. 1-21.....			Present.
Honkong.....	Mar. 8-14.....	5.....	1.....	
Nanking.....	Mar. 8-28.....			Do.
Cuba:				
Santiago.....	Apr. 12-18.....	3.....	1.....	
Haiti:				
Cape Haitien.....	Mar. 22-Apr. 2.....	6.....		
India:				
Bombay.....	Mar. 1-14.....	124.....	55.....	
Calcutta.....	Mar. 8-14.....	461.....	323.....	
Karachi.....	Mar. 22-28.....	13.....	5.....	
Madras.....	do.....	99.....	43.....	
Rangoon.....	Mar. 1-14.....	271.....	76.....	
Indo-China:				
Saigon.....	do.....	14.....	3.....	Including 100 square kilometers of surrounding country.
Japan:				
Nagasaki.....	Mar. 20-Apr. 5.....	2.....		
Java:				
East Java—				
Soerabaya.....	Feb. 12-25.....	118.....	22.....	
Mexico:				
Mexico City.....	Mar. 29-Apr. 11.....	10.....		Including municipalities in Federal District.
Poland:				
Salina Cruz.....	Mar. 1-31.....	5.....	1.....	
Portugal:				
Lisbon.....	Mar. 16-Apr. 5.....		7.....	
Siam:				
Bangkok.....	Mar. 1-14.....	10.....	3.....	
Sierra Leone:				
Kaiyima.....	Mar. 9-15.....	1.....		
Spain:				
Malaga.....	Apr. 5-11.....		4.....	
Straits Settlements:				
Singapore.....	Mar. 8-14.....	1.....	1.....	
Tunis:				
Tunis.....	Apr. 9-15.....	11.....	16.....	
Turkey:				
Constantinople.....	Mar. 16-22.....	2.....		
Yugoslavia:				
Belgrade.....	Mar. 1-Apr. 7.....	6.....		

TYPHUS FEVER

Algeria:				
Algiers.....	Mar. 11-20.....	1.....		
Chile:				
Iquique.....	Mar. 22-28.....		1.....	
Valparaiso.....	Feb. 22-Mar. 28.....		7.....	
China:				
Antung.....	Mar. 16-22.....	1.....		
Greece:				
Athens.....	Feb. 1-Mar. 10.....		3.....	
Mexico:				
Mexico City.....	Mar. 29-Apr. 11.....	11.....		Including municipalities in Federal District.
Palestine:				
Petach-Tikvah.....	Mar. 24-30.....	1.....		
Ramleh.....	Mar. 17-23.....	1.....		
Poland.....				Jan. 4-Feb. 7, 1925: Cases, 581; deaths, 49.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued
Reports Received During Week Ended May 8, 1925—Continued
TYPHUS FEVER—Continued

Place	Date	Cases	Deaths	Remarks
Tunis:				
Tunis.....	Apr. 9-15.....	15	3	
Union of South Africa.....				Feb. 1-28, 1925: Cases, 65; deaths, 5 (native). White: Cases, 10. Total, cases, 75; deaths, 5.
Cape Province.....				Feb. 1-28, 1925: Cases, 33; deaths, 3. Native.
Natal.....				Feb. 1-28, 1925: Cases, 15; deaths, 1. Native.
Orange Free State.....				Feb. 1-28, 1925: Cases, 16; deaths, 1. Native.
Transvaal.....				Feb. 1-28, 1925: Cases, 1. Native.
Do.....				Mar. 8-14, 1925: Outbreaks.

Reports Received from December 27, 1924, to May 1, 1925¹
CHOLERA

Place	Date	Cases	Deaths	Remarks
Ceylon.....				
Colombo.....	Nov. 16-22.....	1		
Do.....	Jan. 11-24.....	2	2	
India.....				
Bombay.....	Nov. 23-Dec. 20.....	4	4	June 29-Dec. 27, 1924: Cases, 14; deaths, 13. Dec. 28, 1924-Jan. 24, 1925: Cases, 24; deaths, 17.
Do.....	Jan. 18-24.....	1	1	Oct. 19, 1924, to Jan. 3, 1925: Cases, 27,164; deaths, 16,228.
Calcutta.....	Oct. 26-Jan. 3.....	59	51	Jan. 4-Feb. 21, 1925: Cases, 15,894; deaths, 9,381.
Do.....	Jan. 4-Mar. 7.....	162	134	
Madras.....	Nov. 16-Jan. 3.....	69	40	
Do.....	Jan. 4-Mar. 7.....	137	98	
Rangoon.....	Nov. 9-Dec. 20.....	9	2	
Do.....	Jan. 4-Feb. 28.....	11	8	
Indo-China—Province—				
Annam.....	Aug. 1-31.....	1	1	Aug. 1-Sept. 30, 1924: Cases, 14; deaths, 10. Dec. 1-31, 1924: Cases, 5; deaths, 2.
Cambodia.....	Aug. 1-Sept. 30.....	6	5	
Do.....	Dec. 1-31.....	1		
Cochin-China.....	Aug. 1-Dec. 31.....	10	5	
Saigon.....	Nov. 30-Dec. 6.....	1		
Tonkin.....	Dec. 1-31.....	1	1	
Siam:				
Bangkok.....	Nov. 9-29.....	4	2	
Do.....	Jan. 18-Feb. 21.....	6	3	

PLAQUE

Azores:				
Fayal Island—				
Castelo Branco.....	Nov. 25.....			
Feteira.....	do.....	1		Present with several cases.
St. Michael Island.....	Nov. 2-Jan. 3.....	30	13	
Do.....	Jan. 18-24.....	3	1	
Brazil:				
Bahia.....	Jan. 4-Mar. 14.....	5	4	
British East Africa:				
Tanganyika Territory.....	Nov. 23-Dec. 27.....	17	10	
Do.....	Jan. 18-24.....	17	11	
Uganda.....	Aug.-Dec., 1924.....	279	243	
Canary Islands:				
Las Palmas.....	Jan. 21-23.....	2		Stated to be endemic.
Do.....	Feb. 4.....	1		Stated to have been infected
Do.....	Mar. 26.....	1	1	with plague Sept. 30, 1924.
Realejo Alto.....	Dec. 19.....	3	1	Vicinity of Santa Cruz de Tenerife.
Tenerife.....				In vicinity.
Santa Cruz.....	Jan. 3.....	1		

¹From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

Reports Received from December 27, 1924, to May 1, 1925—Continued

PLAGUE—Continued

Place	Date	Cases	Deaths	Remarks
Celebes:				
Macassar	Oct. 29			Epidemic.
Ceylon:				
Colombo	Nov. 9-Jan. 3	12	9	
Do.	Jan. 4-Mar. 7	9	12	5 plague rodents.
China:				
Foochow	Dec. 28-Jan. 3			Present.
Nanking	Nov. 23-Mar. 7			Do.
Shing Hsien	October, 1924		700	
Ecuador:				
Chimborazo Province— Alausi District	Jan. 14		14	At 2 localities on Guayaquil & Quito Ry.
Guayaquil	Nov. 16-Dec. 31	9	3	Rats taken, 27,004; found infected, 92.
Do.	Jan. 1-Mar. 15	59	25	Rats taken, 45,027; rats found infected, 234.
Naranjito	Feb. 16-Mar. 15	1		
Yaguachi	Feb. 1-Mar. 15	2	1	
Egypt:				Year 1924: Cases, 373. Jan. 1-28, 1925: Cases, 15.
City—				
Alexandria	Year 1924	2	2	Last case, Nov. 26.
Ismailia	do	1	1	Last case, July 6.
Port Said	do	6	4	Last case, Dec. 7.
Suez	do	20	13	Last case, Dec. 20.
Province—				
Dakhla	Jan. 1-8	1	1	
Kalioubia	do	3		
Menoufieh	do	7	3	
Gold Coast				September-December, 1924: Deaths, 52.
Hawaii:				
Honokaa	Nov. 4	1		Plague-infected rodents found, Dec. 9, 1924, and Jan. 15, 1925.
India:				Oct. 19, 1924, to Jan. 3, 1925: Cases, 28,154; deaths, 21,505.
Bombay	Nov. 22-Jan. 3	4	3	Jan. 4-Feb. 21, 1925: Cases, 28,880; deaths, 24,022.
Do.	Jan. 4-17	2	2	
Do.	Feb. 8-28	6	6	
Calcutta	Jan. 18-24	1	1	
Karachi	Nov. 30-Dec. 6	2	1	
Do.	Jan. 4-Feb. 21	12	11	
Madras Presidency	Nov. 23-Jan. 3	685	487	
Do.	Jan. 4-24	658	511	
Rangoon	Oct. 26-Jan. 3	26	25	
Do.	Jan. 4-Feb. 28	79	69	
Indo-China:				Aug. 1-Sept. 30, 1924: Cases, 25; deaths, 20. Dec. 1-31, 1924: Cases, 11; deaths, 11. Corresponding month, 1923: Cases, 15; deaths, 5.
Province—				
Anam	Aug. 1-Sept. 30	4	4	
Do.	Dec. 1-31	5	5	
Cambodia	Aug. 1-Sept. 30	18	15	
Do.	Dec. 1-31	6	6	
Cochin-China	do	3	1	
Saigon	Dec. 25-31	1	1	Including 100 square kilometers of surrounding territory.
Do.	Jan. 11-17	2	1	Do.
Iraq	June 29-Jan. 3	20	14	
Japan				
Java:				
East Java—				
Blitar	Nov. 11-22			Province of Kediri; epidemic.
Pare	Nov. 29			Do.
Samarang	Mar. 22-28	2	2	
Sidoardja	Jan. 2			Declared epidemic, Province of Soerabaya.
Soerabaya	Nov. 16-Dec. 31	71	72	March 29-Apr. 4, 1925. Two plague rats found.
Do.	Jan. 15-Feb. 18	5	4	
West Java—				
Cheribon	Oct. 14-Nov. 3		14	Cheribon Province.
Do.	Nov. 18-Dec. 22		80	Present.
Do.	Jan. 1-14		44	Province. Epidemic in one locality.
Do.	Jan. 30			Pekalongan Province.
Pascocean	Dec. 27			
Pekalongan	Oct. 14-Nov. 3		29	
Do.	Nov. 18-Dec. 31		177	
Do.	Jan. 1-14		81	
Probalingga	Dec. 27			Province. Epidemic.
Tegal	Oct. 14-Dec. 31		26	
Do.	Jan. 1-14		37	Pekalongan Province.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

Reports Received from December 27, 1924, to May 1, 1925—Continued
PLAQUE—Continued

Place	Date	Cases	Deaths	Remarks
Madagascar:				
Fort Dauphin (port).....	Nov. 1-Dec. 15.....	12	5	
Do.....	Feb. 1-15.....	1	1	Bubonic.
Itasy Province.....				Nov. 1-Dec. 15, 1924: Cases, 4; deaths, 2.
Do.....	Feb. 1-15.....	1	1	Bubonic.
Majunga (port).....	Nov. 1-30.....	1	1	Nov. 1-Dec. 15, 1924: Cases, 49; deaths, 34. Jan. 16-Feb. 15, 1925: Cases, 5; deaths, 5.
Moramanga Province.....				Oct. 16-Dec. 31, 1924: Cases, 298; deaths, 274.
Tamatave (port).....	Nov. 1-30.....	1	1	Jan. 1-Feb. 15: Cases, 227; deaths, 194. Bubonic, pneumonic, septicemic.
Tananarive Province.....				Septicemic.
Do.....	Oct. 16-Nov. 30.....	8	7	Year 1924: Cases, 161; deaths, 144.
Tananarive (town).....	Dec. 16-31.....	4	4	
Do.....	Jan. 1-Feb. 15.....	3	3	
Mauritius Island:				
District—				
Flacq.....	Dec. 1-31.....	5	4	
Pamplemousses.....	do.....	1	1	
Plaines Wilhems.....	January-December, 1924.....	54	47	Not present March, April, May.
Port Louis.....	February-December, 1924.....	101	92	
Mexico:				
Tampico.....	Apr. 6, 1925.....			Plague rat found in vicinity of Government wharves.
Morocco:				
Marrakech.....				Feb. 9, 1925: Present in native quarter of town. Stated to be pneumonic in form and of high mortality.
Nigeria:				August-November, 1924: Cases, 387; deaths, 317.
Palestine:				
Jerusalem.....	Mar. 3-9.....	1	—	
Peru:				
Callao.....	February, 1925.....	6	6	
Siam:				
Bangkok.....	Dec. 28-Jan. 3.....	1	1	
Do.....	Jan. 25-Feb. 14.....	2	1	
Siberia:				
Transbaikalia—				
Turga.....	October, 1924.....		3	On Chita Railroad.
Straits Settlements:				
Singapore.....	Nov. 9-15.....	1	1	
Do.....	Jan. 4-Mar. 7.....	15	10	
Do.....	Mar. 28-Apr. 4.....	4	—	One plague rat.
Syria:				
Beirut.....	Jan. 11-20.....	1	—	
Turkey:				
Constantinople.....	Jan. 9-15.....	5	5	
Union of South Africa.....	Nov. 22-Jan. 3.....	28	15	In Cape Province, Orange Free State and Transvaal.
Do.....	Jan. 4-Mar. 7.....	45	17	Do.
On vessels:				
S. S. Conde.....				At Marseille, France, Nov. 8, 1924. Plague rat found. Vessel left for Tamatave, Madagascar, Nov. 12, 1924.
Steamship.....	November, 1924.....	1	1	At Majunga, Madagascar, from Djibouti, Red Sea port.

SMALLPOX

Algeria.....				July 1-Dec. 31, 1924: Cases, 409.
Algiers.....	Jan. 1-Feb. 28.....	6	—	Jan. 1-20, 1925: Cases, 107.
Arabia:				
Aden.....	Jan. 25-Mar. 21.....	12	1	Imported.
Belgium.....	Jan. 1-Feb. 10.....	4	—	
Bolivia:				
La Paz.....	Nov. 1-Dec. 31.....	20	11	
Do.....	Jan. 1-Feb. 28.....	5	7	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

Reports Received from December 27, 1924, to May 1, 1925—Continued

SMALLPOX—Continued.

Place	Date	Cases	Deaths	Remarks
Brazil:				
Pernambuco.....	Nov. 9-Jan. 3.....	100	27	
Do.....	Jan. 4-Feb. 28.....	95	42	
British East Africa:				
Kenya:				
Mombasa.....	Jan. 18-Feb. 28.....	66	14	
Uganda—				
Entebbe.....	Oct. 1-31.....	4		
Tanganyika Territory.....	Feb. 15-21.....	1		
British South Africa:				
Northern Rhodesia.....	Oct. 28-Dec. 15.....	57	2	
Do.....	Jan. 27-Feb. 2.....	3		Natives.
Southern Rhodesia.....	Jan. 29-Mar. 11.....	2	1	
Bulgaria:				
Sofia.....	Mar. 12-18.....	1		Varioloid.
Canada:				
Alberta—				
Calgary.....	Mar. 15-21.....	1		
British Columbia—				
Ocean Falls.....	Mar. 7-27.....	6		Very mild.
Vancouver.....	Dec. 14-Jan. 3.....	32		
Do.....	Jan. 4-Apr. 5.....	302		
Victoria.....	Jan. 18-Apr. 14.....	7		
Manitoba—				
Winnipeg.....	Dec. 7-Jan. 3.....	14		
Do.....	Jan. 4-Feb. 27.....	30		
Do.....	Apr. 5-11.....	1		
New Brunswick—				
Bonaventure and				
Gaspe Counties.....	Jan. 1-31.....	1		
Northumberland.....	Feb. 8-14.....	1		County.
Ontario—				
Hamilton.....	Jan. 24-30.....	1		Nov. 30-Dec. 27, 1924: Cases, 33.
Ottawa.....	Mar. 29-Apr. 4.....	1		Dec. 28, 1924, to Mar. 28, 1925:
				Cases, 57; deaths, 1.
Ceylon:				July 27-Nov. 29, 1924: Cases, 27;
Colombo.....	Jan. 18-Feb. 7.....	4		deaths, 1.
China:				
Amoy.....	Nov. 9-Feb. 14.....			Present. Feb. 22-Mar. 7, 1925:
Antung.....	Nov. 17-Dec. 28.....	5		Deaths, 4.
Do.....	Jan. 5-Feb. 14.....	15	1	
Do.....	Mar. 2-8.....	3		
Foochow.....	Nov. 2-Feb. 28.....	8		Present.
Hongkong.....	Nov. 9-Jan. 3.....	6	2	
Do.....	Jan. 4-Feb. 7.....	9	7	
Do.....	Feb. 15-Mar. 7.....	5	5	
Do.....	Mar. 22-Apr. 4.....	9	4	
Manchuria—				
Dairen.....	Jan. 19-Feb. 1.....	2		
Harbin.....	Jan. 15-Feb. 11.....	5		
Nanking.....	Jan. 4-Mar. 7.....			Do.
Shanghai.....	Dec. 7-27.....	1	2	
Do.....	Jan. 18-Mar. 7.....		8	
Chosen:				
Seoul.....	Dec. 1-31.....	1		
Colombia:				
Buenaventura.....	Feb. 15-28.....	2		
Santa Marta.....	Mar. 15-28.....			
Czechoslovakia.....				Present in mild form in localities in vicinity.
Dominican Republic:				April-June, 1924: Cases, 1; occurring in Province of Moravia.
Puerta Plata.....	Mar. 8-21.....	3		
Dutch Guiana:				
Paramaribo.....	Apr. 20.....	1		
Ecuador:				
Guayaquil.....	Nov. 16-Dec. 15.....	4		
Egypt:				
Alexandria.....	Nov. 12-Dec. 31.....	10		
Do.....	Jan. 8-28.....	8		
Do.....	Feb. 26-Mar. 4.....	1		
Esthonia.....				Dec. 1-31, 1924: Cases, 2.
France:				July-December, 1924: Cases, 81.
Do.....	January, 1925.....	10		
Dunkirk.....	Mar. 2-8.....	1		From vessel. In quarantine.
St. Malo.....	Feb. 2-8.....	7	1	Believed to have been imported on steamship Ruyth from Sfax, Tunis.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

Reports Received from December 27, 1924, to May 1, 1925—Continued

SMALLPOX—Continued

Place	Date	Cases	Deaths	Remarks
Germany				June 29–Nov. 8, 1924: Cases, 7.
Frankfort-on-Main	Jan. 1–10	1		
Gibraltar	Dec. 8–14	1		
Gold Coast				July–December, 1924: Cases, 106; deaths, 1.
Great Britain:				
England and Wales	Nov. 23–Jan. 3	472		
Do.	Jan. 4–Mar. 21	1,477		
Newcastle-on-Tyne	Jan. 18–Feb. 21	9		
Do.	Mar. 1–7	1		
Greece				January–June, 1924: Cases, 170; deaths, 27.
Do.				July–December, 1924: Cases, 38; deaths, 26.
Saloniki	Nov. 11–Dec. 22	3		
India				Oct. 19, 1924, to Jan. 3, 1925: Cases, 12,564; deaths, 2,857.
Bombay	Nov. 2–Jan. 3	30	18	
Do.	Jan. 4–Feb. 28	265	135	
Calcutta	Oct. 26–Jan. 8	307	170	
Do.	Jan. 4–Mar. 7	1,627	1,101	Jan. 4–Feb. 21, 1925: Cases, 22,834; deaths, 5,019.
Karachi	Nov. 16–Jan. 3	16	2	
Do.	Jan. 4–Feb. 14	52	6	
Do.	Feb. 22–Mar. 21	46	12	
Madras	Nov. 16–Jan. 3	122	48	
Do.	Jan. 4–Mar. 7	552	212	
Do.	Mar. 15–21	97	40	
Rangoon	Oct. 26–Jan. 3	86	28	
Do.	Jan. 4–Feb. 28	504	98	
Indo-China				Aug. 1–Sept. 30, 1924: Cases, 223; deaths, 76. Dec. 1–31, 1925: Cases, 485; deaths, 114.
Province—				
Annam	Aug. 1–Sept. 30	49	11	
Do.	Dec. 1–31	167	26	
Cambodia	Aug. 1–Sept. 30	40	9	
Do.	Dec. 1–31	30	13	
Cochin-China				Aug. 1–Sept. 30, 1924: Cases, 115; deaths, 49. Dec. 1–31, 1924: Cases, 50; deaths, 13.
Do.				Including 100 square kilometers of surrounding country.
Saigon	Nov. 16–Jan. 3	17	5	
Do.	Jan. 4–Feb. 21	32	8	
Tonkin	Aug. 1–Sept. 30	19	7	
Do.	Dec. 1–31	238	62	
Iraq	June 29–Jan. 10	138	67	
Do.	Jan. 11–20	4	2	
Bagdad	Nov. 9–Dec. 27	2		
Do.	Mar. 1–7	1	1	
Italy				June 29–Dec. 27, 1924: Cases, 63. Nov. 30, 1924–Jan. 3, 1925: Cases, 50. Reported as alastrim.
Jamaica				Jan. 4–31, 1925: Cases, 43. Reported as alastrim.
Do.				Reported as alastrim.
Kingston	Nov. 30–Dec. 27	4		
Japan				Aug. 1–Nov. 15, 1924: Cases, 4.
Nagasaki	Feb. 9–Mar. 22	7	2	
Taiwan	Jan. 1–31	1		
Java:				
East Java—				
Paseroean	Oct. 26–Nov. 1	9	1	Epidemic in 2 native villages.
Do.	Nov. 12–19			
Soerabaya	Oct. 19–Dec. 31	685	212	
Do.	Jan. 15–Feb. 7	258	31	
West Java—				
Batam	Oct. 14–20	2		
Batavia	Oct. 21–Nov. 14	2		
Do.	Dec. 20–Jan. 2	19	4	
Buitenzorg	Dec. 25–31	1		
Cheribon	Oct. 14–Nov. 24	15		
Do.	Jan. 1–28	3		
Krawang	Jan. 15–21	1		
Pekalongan	Oct. 14–Nov. 24	22		
Do.	Dec. 25–31	3		
Pemalang	Jan. 8–14	1		
Preanger	Nov. 18–24	1		
Latvia				Province. Pekalongan Residency.
				Oct. 1–Nov. 30, 1924: Cases, 5. Jan. 1–31, 1925: Cases, 5.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

Reports Received from December 27, 1924, to May 1, 1925—Continued

SMALLPOX—Continued

Place	Date	Cases	Deaths	Remarks
Lithuania.....	—			Jan. 1-31, 1925: Cases, 2.
Mexico:				
Durango.....	Dec. 1-31.....	5		
Do.....	Jan. 1-Mar. 31.....	16		
Guadalajara.....	Dec. 23-29.....	1		
Do.....	Jan. 6-Mar. 23.....	4		
Mexico City.....	Nov. 23-Dec. 27.....	5		
Do.....	Jan. 11-Mar. 28.....	35		
Monterey.....	Dec. 1-31.....	1	1	Jan. 24, 1925: Outbreak. Mar. 14, 1925, present.
Do.....	Feb. 22-28.....	2		
Saltillo.....	Feb. 22-Apr. 11.....	2		
San Luis Potosi.....	Mar. 29-Apr. 11.....	2		
Tampico.....	Dec. 11-31.....	5	4	
Do.....	Jan. 1-Mar. 31.....	59	18	
Vera Cruz.....	Dec. 1-Jan. 3.....	10		
Do.....	Jan. 5-Apr. 5.....	38		
Villa Hermosa.....	Dec. 28-Jan. 10.....			
Yucatan State.....	Apr. 5-11.....			Present. Locality, capital, State of Tabasco.
Nigeria.....	—			In country towns.
Do.....	—			January-June, 1924: Cases, 357; deaths, 87.
Persia:				July-November, 1924: Cases, 87; deaths, 25.
Teheran.....	—			
Do.....	Jan. 1-31.....	10		Sept. 23-Dec. 31, 1924: Deaths, 12.
Peru:				
Arequipa.....	Nov. 24-30.....	1		
Do.....	Jan. 1-31.....	3		
Philippine Islands:				
Manila.....	Mar. 29-Apr. 4.....	3		Sept. 21-Dec. 28, 1924: Cases, 30; deaths, 2.
Poland.....	—			
Portugal:				
Lisbon.....	Dec. 7-Jan. 3.....	17		
Do.....	Jan. 4-Mar. 14.....	78	7	
Oporto.....	Nov. 30-Dec. 27.....	3	2	
Do.....	Jan. 11-Mar. 14.....	3		
Russia.....	—			January-June, 1924: Cases, 18,229. July-November, 1924: Cases, 3,665.
Senegal:				
Dakar.....	Mar. 16-22.....	4		
Siam:				
Bangkok.....	Dec. 28-Jan. 3.....	1	1	
Do.....	Jan. 18-Feb. 21.....		19	
Sierra Leone:				
Freetown.....	Feb. 7-14.....	2		From S. S. Elmina.
Spain:				
Barcelona.....	Nov. 27-Dec. 31.....	5		
Do.....	Mar. 19-25.....	1		
Cadiz.....	Nov. 1-Dec. 31.....	51		
Do.....	Jan. 1-Feb. 28.....	10		
Madrid.....	Year 1924.....	40		
Do.....	Jan.-Feb.....	13		
Malaga.....	Nov. 23-Jan. 3.....	97		
Do.....	Jan. 4-Apr. 4.....	90		
Valencia.....	Nov. 30-Dec. 6.....	2		
Do.....	Feb. 15-Mar. 28.....	5		
Straits Settlements:				
Singapore.....	Feb. 22-Apr. 4.....	3	1	
Switzerland:				
Lucerne.....	Nov. 1-Dec. 31.....	10		
Do.....	Jan. 1-31.....	24		
Syria:				
Aleppo.....	Nov. 23-Dec. 27.....	13		
Do.....	Jan. 4-Feb. 28.....	71	18	
Beirut.....	Feb. 11-20.....	1		
Damascus.....	Jan. 6-13.....	2		
Do.....	Feb. 11-20.....	22		
Tripoli:				
Tripoli.....	July 14-Jan. 2.....	53		
Tunis:				
Tunis.....	Nov. 25-Dec. 29.....	42	35	
Do.....	Jan. 1-Apr. 8.....		291	
Turkey:				
Constantinople.....	Dec. 13-19.....	5		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued
Reports Received from December 27, 1924, to May 1, 1925—Continued
SMALLPOX—Continued

Place	Date	Cases	Deaths	Remarks
Union of South Africa				Nov. 1-Dec. 31, 1924: Cases, 14. Jan. 1-31, 1925: Cases, 4. Natives.
Cape Province	Feb. 1-7			Outbreaks.
De Aar District	Jan. 25-31			Outbreak at railway camp.
Do	Nov. 9-Jan. 17			Outbreaks.
Natal	Mar. 1-7			Do.
Orange Free State	Nov. 2-8			Do.
Ladybrand District	Jan. 15-31			Outbreak, on farm.
Transvaal	Nov. 9-Jan. 10			Do.
Do	Feb. 1-7			Outbreaks.
Uruguay				January-June, 1924: Cases, 101; deaths, 2. July-November, 1924: Cases, 53; deaths, 5.
Do				
On vessel:				
S. S. Eldridge	Mar. 23	1		At Port Townsend, from Yokohama and ports.
S. S. Habana	Feb. 18	1		At Santiago de Cuba, from Kingston, Jamaica.
S. S. Ruyth				At St. Malo, France, January, 1924, from Sfax, Tunis; believed to have imported smallpox infection.

TYPHUS FEVER

Algeria				July 1-Dec. 20, 1924: Cases, 101; deaths, 14.
Algeria	Nov. 1-Dec. 31	5	1	
Do	Jan. 1-Mar. 10	10	4	
Argentina				
Rosario	Jan. 1-31		1	
Bolivia				
La Paz	Nov. 1-Dec. 31	3		
Do	Jan. 1-31	2		
Bulgaria				January-June, 1924: Cases, 191; deaths, 28. July-October, 1924: Cases, 5.
Do				
Chile				
Concepcion	Nov. 25-Dec. 1		1	
Do	Jan. 6-12		2	
Do	Jan. 27-Feb. 2		1	
Iquique	Nov. 25-Dec. 1		2	
Do	Feb. 1-7		1	
Talcahuano	Nov. 16-Dec. 20		5	
Do	Jan. 4-10		1	
Valparaiso	Nov. 25-Dec. 7		4	
Do	Jan. 11-Mar. 7		11	
Chosen				
Chemulpo	Feb. 1-28	1		
Seoul	Nov. 1-30	1	1	
Do	Feb. 1-28	2	1	
Czechoslovakia				December, 1924. Cases, 5.
Do	Jan. 1-31	14		
Egypt				
Alexandria	Dec. 3-9	1	1	
Do	Mar. 12-18	1		
Cairo	Oct. 1-Dec. 23	13	8	Dec. 1-31, 1924: Cases, 5.
Estonia				
Do	Jan. 1-31	4		July-October, 1924: Cases, 7.
France				Oct. 1-31, 1924: 1 case.
Gold Coast				May-June, 1924: Cases, 116; deaths, 8.
Greece				July-December, 1924: Cases, 40; deaths, 4.
Do				
Saloniki	Nov. 17-Dec. 15	3	2	
Do	Jan. 25-31	1		
Japan				Aug. 1-Nov. 15, 1924: Cases, 2. October-December, 1924: Cases, 30.
Latvia				August-October, 1924: Cases, 15; deaths, 1.
Lithuania				Jan. 1-31, 1925: Cases, 27; deaths, 2.
Do				

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

Reports Received from December 27, 1924, to May 1, 1925—Continued

TYPHUS FEVER—Continued

Place	Date	Cases	Deaths	Remarks
Mexico:				
Durango	Dec. 1-31		1	
Do.	Mar. 15-31	1	1	
Guadalajara	Dec. 23-29		1	
Mexico City	Nov. 9-Jan. 3	80		
Do.	Jan. 11-Mar. 28	73		
San Luis Potosí	Mar. 8-14		1	
Morocco:				Including municipalities in Federal District.
Palestine:				
Ekron	Dec. 23-29	1		
Jerusalem	do	2		
Do.	Jan. 20-26	1		
Mikveh Israel	do	1		
Ramieh	Feb. 10-16	1		
Tiberias	Feb. 24-Mar. 2	2		
Peru:				
Arequipa	Nov. 24-Dec. 31		3	
Poland				Sept. 28, 1924-Jan. 3, 1925: Cases, 751; deaths, 57.
Portugal:				
Lisbon	Dec. 29-Jan. 4		2	
Oporto	Jan. 4-Feb. 7	2		
Rumania:				
Do.	Dec. 1-20	1		January-June, 1924: Cases, 2,906; deaths, 328.
Constanza	Feb. 1-28	2		July-December, 1924: Cases, 288; deaths, 38.
Russia:				
Leningrad	June 29-Nov. 22	12		
Spain:				
Madrid	Year 1924		3	
Malaga	Dec. 21-27		1	
Sweden:				
Goteborg	Jan. 18-Feb. 28	2		
Tunis:				
Tunis	Mar. 5-25	9	1	July 1-Dec. 20, 1924: Cases, 40.
Do.	Apr. 2-8	3		
Turkey:				
Constantinople	Nov. 15-Dec. 19	6	1	
Do.	Jan. 2-Mar. 7	9	1	
Union of South Africa:				
Cape Province:				
Do.	Nov. 1-Dec. 31	126	24	
East London	Feb. 1-Mar. 7			
Do.	Nov. 16-22	1		
Port Elizabeth	Jan. 18-24	1		
Natal:				
Do.	Feb. 22-28	1		
Do.	Nov. 1-Dec. 31	130	50	Jan. 1-31, 1925: Cases, 28; deaths, 4. Native Outbreaks.
Orange Free State:				
Do.	Mar. 1-7			
Durban	Feb. 15-21	1		
Transvaal:				
Do.	Nov. 1-Dec. 31	59	8	Jan. 1-31, 1925: Cases, 16, deaths, 2. Native Outbreaks.
Yugoslavia:				
Belgrade	Feb. 15-21			
	Nov. 1-Dec. 31	30	5	Jan. 1-31, 1925: Cases, 9. Native.
	Nov. 24-Dec. 28	5		Aug. 3-Oct. 18, 1924: Cases, 17; deaths, 2. Mar. 8-14, 1925: Cases, 1.

YELLOW FEVER

Gold Coast	October-November, 1924.	4	4	
Salvador:	June-October, 1924.	77	28	Last case, Oct. 22, 1924.
San Salvador				